UPDATED REPEATER INDEXES INSIDE!

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SERA-SouthEastern Repeater Association, Inc. Representing Coordination and VHF/UHF Amateur Interests Across The Member States of North Carolina, South Carolina, Mississippi, Virginia, Tennessee, West Virginia, Kentucky and Georgia.

REPEATER JOURNAL

SouthEastern Repeater Association, Inc.

Nov., Dec. 1992, Jan., 1993 2.50

Tennessee's SERA Family Officers
Johnny and Nita Wofford
SERA Tennessee Director
And SERA Vice-President

Also This Issue...

* This Is Your Ham Life: Joe Edwards
* North to Alaska - A Ham's Trip
* The 1993 Hamfest Calendar
* Director-Vice Director Nominations
* Updated 8-State Repeater Index

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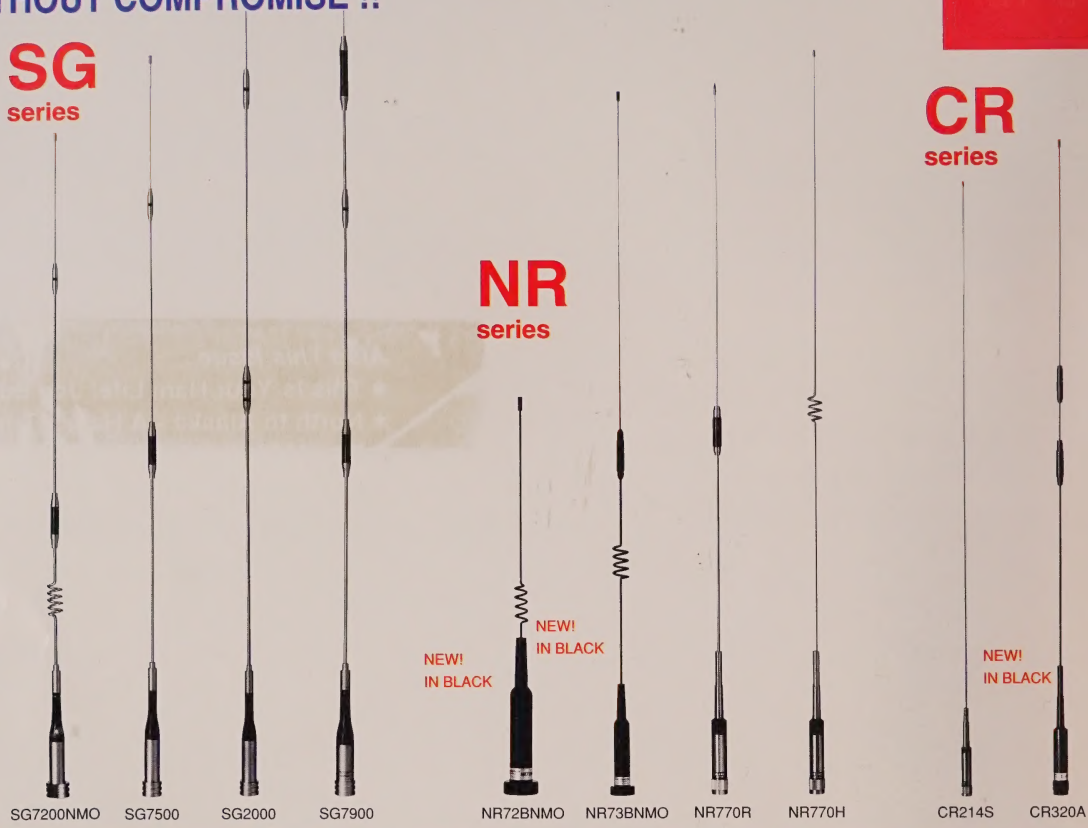

SG7200NMO SG7500 SG2000 SG7900 NR72BNMO NR73BNMO NR770R NR770H CR214S CR320A

MODEL	BAND	GAIN(dBd)	POWER (w)	MOUNT	HT (IN)	ELEMENT PHASING
NR-72BNMO	2m/70cm	2.15	100	NMO	13.8	1/4 λ ,1/2 λ
NR-73BNMO	2m/70cm	2.15/5.3	100	NMO	33.5	1/2 λ ,2-5/8 λ
NR-770SA	2m/70cm	2.15/2.15	100	UHF	16.9	1/4 λ ,1/2 λ
NR-770HA	2m/70cm	3.0/5.5	200	UHF	40.2	1/2 λ ,2-5/8 λ
NR-770HNMO	2m/70cm	3.0/5.5	200	NMO	38.2	1/2 λ ,2-5/8 λ
NR-770RA	2m/70cm	3.0/5.5	200	UHF	38.6	1/2 λ ,2-5/8 λ
NR-790A	2m/70cm	4.5/7.2	120	UHF	57.5	6/8 λ ,3-5/8 λ
SG-7000	2m/70cm	2.15/3.8	100	UHF	18.5	1/4 λ ,6/8 λ
SG-7200NMO	2m/70cm	3.2/5.7	150	NMO	36.6	1/2 λ ,2-5/8 λ
SG-7500A	2m/70cm	3.5/6.0	150	UHF	40.6	1/2 λ ,2-5/8 λ

MODEL	BAND	GAIN(dBd)	POWER (w)	MOUNT	HT (IN)	ELEMENT PHASING
SG-7900	2m/70cm	5.0/7.6	150	UHF	62.2	7/8 λ ,3-5/8 λ
SG-2000	2m	5.2	150	UHF	62.6	7/8 λ
NR-140A	1-1/4m	3.8	100	UHF	36.2	5/8 λ
NR-124	23cm	8.4	100	N	25	4-5/8 λ
CR-214S	2m/1-1/4m	2.15/3.4	120	UHF	37	1/2 λ ,5/8 λ
CR-224A	2m/1-1/4m	5.0/6.0	150	UHF	68.5	7/8 λ ,2-5/8 λ
CR-320A	2m/1-1/4m/ 70cm	2.15/3.8/5.5	200/ 200/100	UHF	37.4	1/4 λ ,1/2 λ , 2-5/8 λ
NR-2000NA	2m/70cm/ 23cm	3.15/6.3/9.7	100	N	39	1/2 λ ,2-5/8 λ , 5-5/8 λ

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REPEATER JOURNAL

The Voice of the SouthEastern Repeater Assn., Inc

Published 4 times a Year by SERA, Inc.

Nov., Dec., 1992, Jan. 1993

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FOR LOCAL ASSISTANCE

Repeater owners and users are urged to contact local state SERA Directors/Vice Directors for assistance, information, coordination or other needs as required. Please call within reasonable hours and allow reasonable time for action! Remember SERA Officers work for you VOLUNTARILY. They receive NO Pay except for postage and telephone refunds!!

Editorial Comment

Has It Been That Long?

I promise not to go into a reminiscing thing, but this issue of the Repeater Journal starts my 16th year as Editor and Publisher. Boy, how time flies.

I have seen the Repeater Journal grow each year, thanks to hundreds of you who contribute stores and pictures. We now have official State Correspondents from 5 of our 8 states who write about their neighbors and clubs. We have a score of color photos and slides each issue, as potential cover photos. I am very fortunate, there is always left over copy when the Journal is completed. We have new advertisers coming into the Journal each issue, causing it to be for all practical purposes, "Sold Out" for the past three issues. We have 20 different dealers who now stock the Repeater Journal and make it available at their stores and at hamfests. Aside from Alinco purchasing the outside back cover, and now RF Parts (Diamond) purchasing one of the inside covers, our color covers can continue to be offered.

I am quite fortunate! I have met thousands of hams over the years through the Repeater Journal. I have attended almost 300 hamfests and seen many of you in person. I have seen hamfest clubs set up SERA booths for us and I have marveled at the "old time" SERA members who bring newcomers up and tell them "you gotta get this Repeater Journal."

The Repeater Journal is a unique magazine. There is none like it in the United States. Our contribution list grows monthly, and I am proud to see such a wide support from so many readers, seeing that our magazine is the best and most informative possible. The job of editor has changed from having to write the book, to one of editing the material you send in, as it should be.

We are happy to publish your story, a feature about someone in the club, or about a special activity in which your club participated. Photos, add greatly to the story.

With the advent of "desk top" publishing, we have the tools on hand to put out a first class publication at a reasonable cost with minimal effort. Many writers send in discs with stories on word processing or in ASCII and we just "dump" it into our desk-top program and typeset it. We are working, and will soon have the setup for taking stories via computer and telephone.

How many more years will we do it? I don't know, but your help and participation in getting the Journal together is greatly appreciated. You folks make my job very pleasurable and quite easy. I thank you!!!

-Wayne C. Williams, K4MOB, Editor

REPEATER JOURNAL

Nov., Dec., 1992, Jan. 1993
Volume 21, No. 4
ORGANIZED IN 1971
"Completing Our 21st Year"

The Voice of the SouthEastern Repeater Assn., Inc

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About SERA Associate Membership (Repeater Users)

Amateurs, especially repeater users, are invited to join SERA as Associate Members. Only $6.00 per year will enable Amateurs to support the organization and receive the ***Repeater Journal***. Associate Membership deadlines are the 15th of the month preceding months of publication -- Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Tobaccoville Post Office Box by these deadlines to receive the next upcoming ***Repeater Journal***, published the first week of February, May, August and November. Memberships received after any deadline will not receive next to-be-published ***Repeater Journal***, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships (***Repeater Journals*** mailed 1st Class rate) are limited to one year memberships at $12.25 per year. Regular membership ***Repeater Journals*** are mailed 3rd Class Bulk Mail. SERA does not issue receipts for Membership applications, nor are Journals forwarded to new addresses. If you move, we must be notified. Members should wait until next ***Repeater Journal*** comes out to report any problems. Write SERA Associate Membership, P.O. Box 215, Tobaccoville, N.C. 27050-0215. Associate Members may hold appointive offices and positions within the SouthEastern Repeater Association, Inc.

About SERA Full Repeater Membership (Repeater Owners)

Officers and Directors are elected from Repeater respresentatives who are SERA Full Members. Any repeater owner or club may join SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $15.00 should be submitted for the annual Full Membership fee. Two Full Members, named and listed on the application by the owner, receive the ***Repeater Journal*** from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index with a asterisk (*) code. All Full Memberships expire on December 31 of each year. Write SERA Membership, P.O. Box 215, Tobaccoville, N.C. 27050-0215.

About the SERA Repeater Journal

The SERA ***Repeater Journal*** is published quarterly, the first week of the months of February, May, August and November of each year and mailed free to members of SouthEastern Repeater Association, an eight state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material other than repeater indexes contained in the ***Repeater Journal***. (See Important Note this page) provided proper credit is given. The ***Repeater Journal*** Editor will swap newsletters with other Repeater Councils, News organizations and clubs upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month, ONE month prior to publication. News deadlines are the first of the month prior to publication month. ***The Repeater Journal*** is entered as Third Class Mail at the Post Office in Greensboro, N.C. The ***Repeater Journal*** newstand cover price is $2.50 and is available from numerous retail Amateur Dealers in the surrounding 8-state area. (See list elsewhere this issue). All news and Newsletter exchanges should be mailed to the Editor: Wayne C. Williams K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

About the SouthEastern Repeater Association, Inc.

SERA, SouthEastern Repeater Association, Inc. is one of the largest, most well known non-profit Repeater Coordinating Copuncils in the United States. SERA territory covers over 1,600 repeaters in member States of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Kentucky, Georgia and Mississippi. SERA celebrates its 21st anniversary in 1992 with a continuing goal - to serve the repeater owners and users of the Southeast by providing a voice of communications, information and education with the publication of ***The Repeater Journal***, and the guidance of our State (Director) Coordinators, officers and volunteers. Your support, comments and reccomendations are appreciated.

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***NC JOURNAL* Correspondant**
Gene Fegely, K3EJG

***Members of SERA Executive Committee**

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SERA Director/Vice-Director Nominations Made for 1993-1994 Term

-by Barbarra Gregory, WA4RMC, SERA Secretary

The Nominating Committee for SERA State Officers makes the following recommendations:

GEORGIA: Stu Sims, N4MXC, Director; Mike Flamia, N4PLM, Vice-Director.

KENTUCKY: Terry Estes, WB4ASZ, Director; No recommendation for Vice-Director.

MISSISSIPPI: Steve Grantham, N5DWU, Director; Jim Akers, W5VZF, Vice-Director.

NORTH CAROLINA: Danny Hampton, KM4OX, Director; Norman Harrell, N4NH, Vice-Director.

SOUTH CAROLINA: Bill Jones, N4NMH, Director; Gary Foster, WD8OXE, Vice-Director.

VIRGINIA: Wally Burkett, WA4KXV, Director; Don Williams, WA4K, Vice-Director.

TENNESSEE: Johnny Wofford, WA4ETE, Director; Tim Berry, WB4GBI, Vice-Director.

WEST VIRGINIA: Dick Fowler, N8FMD, Director; Alex Hedrick, N8FWL, Vice-Director.

The Nominating Committee members included Barbarra Gregory, Dave Shiplett, AC4MU, and Nita Wafford, N4DON. The committee is making their suggestions to the organization's membership by this notification in the *Repeater Journal,* for Directors and Vice-Directors for each SERA District (State).

According to SERA By-Laws, if there are no additional nominations for the office(s), the Committees recommendations will be elected automatically.

If a nomination comes "from the floor" through membership and is valid, an election will be held for the particular office and state (district) involved with two nominees.

Reprinted on this page of the *Repeater Journal* is a short version "from the floor" nomination form. ANY Full SERA member wishing to nominate someone, may do so by filling out this form accurately and completely and mailing it to the SERA Secretary, postmarked no later than noon, November 28th. Please be sure and follow instructions carefully.

Nominees to be eligible for office in SERA (1) must be a Full Member, recognized in the February 1992 Repeater Journal, (2) must not be an officer of any other coordinating group, (3) must have the endorsement of three other Full Members who must also sign the form, and (4) must provide written acceptance of the nomination. A brief statement required by the By-Laws should be included for each nominee.

To give the Secretary adequate time to prepare the ballots, the Secretary shall be given verbal notification (in person or by telephone) no later than noon, November 28, followed by written notification postmarked no later than noon November 28.

Remember, if there be but one eligible nominee for any office, the Executive Committee shall declare the nominee elected without balloting.

SERA OFFICER NOMINATING FORM

For the Office of **SERA STATE DIRECTOR and/or VICE-DIRECTOR**
Please Mail this form to the Secretary postmarked no later than NOON Nov. 28, 1992.
Note: The Secretary must also be notified verbally by phone no later than Nov. 28 1992.

To the SERA Secretary:

The below named person(s) are nominated to Office(s) listed below. The persons nominated have been contacted and through their acceptance letter (enclosed) will serve if elected. The nominee is a SERA FULL MEMBER appropriately listed as such in the February 1992 Repeater Journal, is not an officer in any other coordinating council, fully qualifying under the bylaws of SERA to hold office. It is understood that this nomination from the floor, signed by myself and three other eligible SERA Full Members will be added to the nominating committee's list of nominees. This "from the floor" nomination for Director and/or Vice-Director, will cause an election to be held by written ballot, mailed to every Full Member of the District in which the nomination is involved.

Office for Which Person is nominated_____
If more than one nominee, use copy or simular sheet of paper for each nominee.

Name and Callsign of Nominee_____State_____

Address_____Phone ( )_____

Is a representative of _____Full Member Repeater

Person has been contacted and has agreed to serve ( ) Yes

Please include brief Biographical sketch of nominee (Use separate sheet)

This SERA Nomination is cerfified by (Name)_____State_____

Call_____My Signature_____Phone ( )_____

I am member of _____Full Member Repeater group

Please list three other Full Member Repeater Representatives (each must sign)

_____callsign_____

_____callsign_____

_____callsign_____

Mail this properly completed form with other necessary paperwork to:
Barbarra Gregory, SERA Secretary, 8619 Smokerise Lane, Chattanooga, Tn. 37421
(This mailing must be Postmarked no later than NOON November 28, 1992)
Verbal Notification by Phone to the Secretary also by NOON Nov. 28, 1992.

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GREENSBOR

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12th Annual
Greater Greensboro Hamfest

DATE: November 28 & 29, 1992
HOURS: Sat. 8:00 A.M.-4:00 P.M. & Sun. 8:00 A.M.-2:00 P.M.
LOCATION: Franklin Blvd. National Guard Armory
TICKETS: $4.00 Advance, $5.00 At The Gate
FLEA MARKET: Price of Ticket & $2.00 (Outside)
INSIDE: Inside Tables — Sold Out For 1992!
TAILGATERS: Price Of Ticket & $2.00
LADIES: Mrs. Skinner, Mrs. Ayers and The Doll Lady will be with us again this year.
SHOPPING: Shuttle Bus Service will be provided to Four Seasons Town Centre Shopping Mall. Saturday Only!
FCC EXAMS: Walk-In, Saturday Only
TALK IN: 146.760 (-.600), 145.250 (-.600), 146.520 (S)

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GREATER GREENSBORO HAMFEST
P.O. BOX 7862
GREENSBORO, N.C. 27417-0862
PHONE: (919) 852-9244

Send In Your Advance Registration Now and Save $1.00 per ticket. Your Tickets will be held at the gate for you to pick up upon arrival Saturday morning. SAVE $1.00 and be eligible for Pre-Registration. SEND IN THE COUPON WITH YOUR CHECK TODAY! This will be your **only** opportunity to pre-register by mail.

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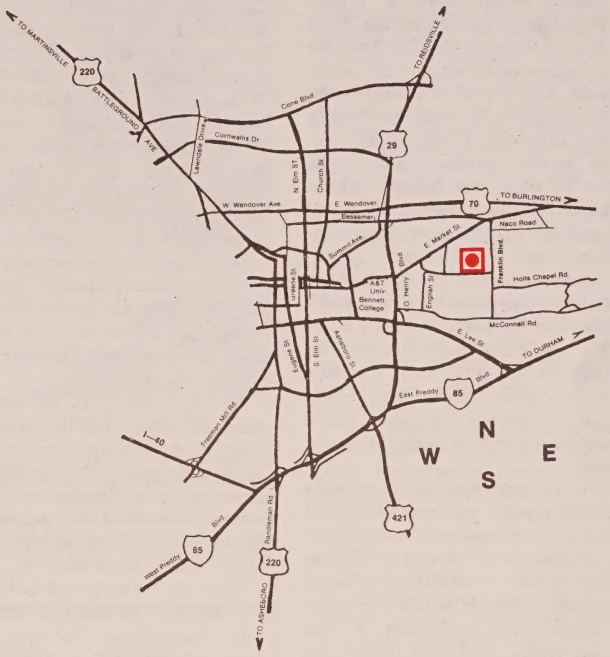
Carolina Craftsman Show
and
Four Seasons Town Centre
Saturday Only - Beginning at 9 a.m.



• VE SESSION—Walk-In Saturday Only! Registration 8:30 a.m., bring current license or CSCE and copies, photo ID, and $5.40. Info: W5YI Greensboro, c/o GGH, P.O. Box 8252, Greensboro, NC 27419-0252. For more information call Charles Layno, 919-288-3635 from 8-9 p.m. only!

Pre-Register me for the Greensboro Hamfest, November 28 & 29, 1992. Enclosed is my check for:

_____ ☐ **Hamfest Tickets @ $4.00 ea.** .....$_____

_____ ☐ **Flea Market Tables** (Inside) SOLD OUT .....$_____

_____ ☐ **Outside Flea Market Space** (Unlimited) **$2.00** .....$_____

Total .....$_____

Monies must be received in Greensboro no later than November 23, 1992.
Make all checks payable to the Greater Greensboro Hamfest.
Send form to: GGHamfest, P.O. Box 7862, Greensboro, N.C. 27417-0862.

Please Send S.A.S.E. - TNX

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*ADDRESS*_____

*CITY*_____ *STATE*_____ *ZIP*_____

A Tribute to Joseph P. Edwards, W4EL

This Is Your Ham Radio Life

Joseph P. Edwards, W4EL- A Ham Life of over 60 Years. (Ham Radio All in the Family)

-by David J. (KD3OS) and Sidney E. (W4QWM) Edwards

We write this article in honor of our dad, Joseph Philip Edwards, W4EL, who would have celebrated his 82nd birthday on January 29. The title for this article is taken from a TV show produced by a different Edwards, Ralph, but that's OK, because there's a Ralph Edwards in this story, too. But it is the subtitle (taken from another TV show) that tells something about the meaning of ham radio to our Dad and its influence on his many family members and friends.

It is this aspect of ham radio that we wish to illustrate by this article. By spreading the hobby to many other family members and friends, he suceeded in keeping these families and friends close together even when they lived some distances apart. Though he is sorely missed, his legacy lives on.

Since his activities in ham radio spanned over 60 years of dedicated service and enjoyment, a second purpose of this article is to provide the readers who are relatively new to ham radio a better idea of where the hobby has come from and how it has changed from a time when everything had to be homebrew to the present when most gear is purchased commercially.

Our dad (known affectionately as Joe to his many friends) was born in Philadelphia in 1910. Because of health reasons, his father moved the family to Salisbury, NC, when Dad was one year old. Eventually the Edwards family moved to Greensboro. Dad's oldest brother, Al, moved back to Philadelphia and became 3OF and later W3BJ. Dad became fascinated with ham radio as a school kid. He used to tell of putting radio magazines inside his textbooks and reading them in class instead of his classwork.

He had an after school job at W. T. Grants, which earned him enough money to buy some tubes and other parts to make his radios.

His first ham license was issued in 1926 as 4EL at the age of 16. In those days, hams were issued both an operator's license and a station license. The original operator's license still hangs on the wall in the ham shack of one of us (W4QWM). Interestingly, it was signed by Herbert Hoover when he was Secretary of Commerce. The station license, was also dated 1926. It is numbered 116. Typing squeezed into all of the blank space around the letterhead states: "This station is not licensed to transmit between the hours of 8:00 and 10:30 P.M., local standard, nor Sunday mornings during local church services except when transmitting on wave-lengths below 85.7 meters, and is not authorized to broadcast news, music, lectures, sermons, or any other form of entertainment. The wavelengths authorized in this license may be changed whenever in the opinion of the secretary of Commerce such change is necessary."

Dad is listed in the call book dated June 30, 1926. Yes, there were call books back then, but they were issued by the Bureau of Navigation of the Department of Commerce. The 1926 volume was all of 281 pages, despite listing each ham twice, alphabetically by call and by state and city.

You may be surprised to know that Dad was not the first to be issued that call. Years later he met Charles Davidson, W4EQ, at the Charlotte hamfest, who had been issued 4EL in 1917. However, he lost that call when his license expired while serving in World War I.

In the late 1920s, prefixes were added to ham calls and Dad's call became NU4EL around 1928 and finally W4EL around 1929. (His 1929 license was issued as W4EL.) He kept the W4EL call the remainder of his life. He was fond of giving it phonetically as "W4 Electric Lights" or "W4 Easy Love".

Dad left high school to take a job in the meter department of what was to become Duke Power Co., where he stayed for 15 years. About a year after the loss of his mother, he met Rebecca Kornblut, a graduate of Women's College (now University of North Carolina at Greensboro). They married in 1933. After the first of us (Sid) was born, the family moved out of an apartment to a house. However, the homebrew rack-mounted rig that Dad had built in the apartment was too big to move out the door and had to be dismantled. (And that rig was just the transmitter! Compare that to the size of a modern transceiver.) The family moved several other times around Greensboro. At each house, his friends at Duke Power were quick to erect a telephone pole in the back yard for his antennas. These poles still mark the locations of his stations.

During World War II, Dad joined an Engineering Science and Management Training Program, which was taught by Walter Seeley of the Duke School of Engineering. Dr. Seeley (later the dean) recognized his talents and persuaded him in 1942 to move to Durham, where the second of us (David) was born the following year.

Dad started at Duke in charge of a small electronics shop; but by his retirement was the Director of Central Services, providing an electronics shop, instrument repair, metalworking and woodworking shops, and photographic and drafting services. He had also earned his high school diploma, taught a lab course to undergraduate electrical engineering students and was licensed as a Professional Engineer by the State of North Carolina.

Ham radio was not only a hobby but became intertwined with his job at Duke. Between the 1940s and 1970s, he was the Trustee of W4AHY, the amateur radio station on campus He conducted code classes to high school students and helped many to become licensed hams. He was also the Trustee of WB4BLK ("Blood, Liver and Kidneys"), which was established in the 1960s as Project Med-Aid which was sponsored by the Babcock Foundation. This station provided medical communication between doctors worldwide and the U.S. (primarily with doctors at Duke). For example, when a girl in the Congo fell and had severe head injuries, doctors there were able to communicate through missionaries to get advise from doctors at Duke. The Physics Department

Continued on Page 52

SERA Board To Meet Jan. 9-10

The SERA Board of Directors, Officers and Appointees will hold their Annual January meeting on January 9 & 10 at the Holiday Inn Northwest in Knoxville, Tn.

Topping the agenda will be the installation of new Directors and Vice-Directors for the 1993-94 session. New Assistant Directors will also be brought before the Board for approval.

President Shiplett will also have the chance to change or re-appoint Appointees in the various committees, comprised of Publications, Membership, Technical and others.

This year, the Board has made a slight change in the meeting times. The meeting will now start at 3:00 p.m. Saturday afternoon, break for dinner and continue after dinner. Following breakfast Sunday morning, the formal part of the Board meeting will be held.

The members felt the informal Saturday session could be devoted to covering minor items, discussions of common items, and planning for future sessions.

The Board also agreed to continue meeting in Knoxville, since it was the most central location for Board members.

The Board will also discuss having the Summer Board meeting after the Knoxville Hamfest in June. Suggestions have also been made of bring the Knoxville Club into the weekend event to assist, or participate.

SERA Board Members See New Computer Capability

David Ward, KA4LVO, SERA Computer Database Manager demonstrates new capabilities which have been added to the organizations computer systems. Ward has written sofeware and is completing a networking system allowing several Directors to enter information into the computer by modem. They can now call in, made changes, additions, and deletions to their State's repeater database. Several Directors are already on the system, more plan to get on in 1993. The new system is designed to eliminate double work of SERA personnel, including keyboarding in changes sent in to the computer on hard copy.

Wofford Receives Award

SERA Tennessee Director Johnny Wofford, WA4ETE receive the SERA "President's Award at the August SERA Board Meeting. Johnny was presented the award by Dave Shiplett, AC4MU, President of SERA. The "President's Award" is presented each year to a member of the SERA Board who has shown outstanding leadership ability, and done an extroadinary job in his part as an officer in the organization.

Repeater Data Sheets Go In The Mail Soon

David Ward, KA4LVO, Membership Chairman and Computer Records Manager for SERA said that repeater data sheets are scheduled to go in the mail by mid month.

The data sheets contain all the information about individual repeaters that is contained on the SERA database. It is a chance for repeater owners to update, add or delete information reflecting changes in their systems since last year.

Ward said, "We have a tremendous return on the data sheets each year, the repeater owners do a great job keeping us abrest of their system information."

"Watch for your Data sheet soon in the mail-check it and return it and we'll see that you are updated," Ward said.

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X-3200A	2m-6.0db/220-7.8db/440-8.0	189.95
CR-214S	146-3.0db/220-3.0db	53.95
CR-224A	146-5.0db/220mhz-6.0db	81.95
CR-320A	146-2.2db/220-3.8db/440-5.5	74.95
NR-140A	220 mobile antenna 4 db 37"	49.95
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NR-73BNMO	146-3.0 db/440-5.5db 34"	57.95
NR-770HNMO	146-3.0 db/440-5.5db	54.95
NR-770RNMO	146-3.0 db/440-5.5db	54.95
NR-770H	146-3.0 db/440-5.5db 39"	47.95
NR-770R	146-3.0 db/440-5.5db 39"	47.95
NR-770S	146/446 mhz dualband 17"	42.95
NR-790	146-4.5 db/440-7.2db 58"	74.95
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970A	2mtr/70cm 25w w/ps35
970H	2mtr/70cm with PS-35
728	HF 100watt tranceiver
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R-71A	100khz-30 mhz receiver
R-72	30khz-30 mhz receiver
R-100	.1-1856 mhz receiver
R-7000	25-2000 mhz receiver
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PB-7	7.2vdc 1100mah TH-26/77
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PB-12	12v 500mah 5watt TH-225
PB-13	7.2vdc 700mah std TH-28/78
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PB-17	12vdc 700mah TH-28/78
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PS-53	hvy duty (22.5a) ps TS-450
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SMC-33	rmt ctl spkr/mic TH-27/77
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TM-732A	2 meter/440mhz tranceiver
TM-741A	2 meter/440mhz tranceiver
UT-28S	28mhz 50w rx 24-36mhz
UT-50S	50mhz 50w rx 46-57mhz
UT-220S	220mhz 25 w rx 215-230
TS-140S	hf 100w tranceiver 31 mem
TS-450S	160-10m 100w wo/ tuner
TS-450SAT	160-10m,int w/auto tuner
TS-690S	as TS-450S w/6m @ 50w
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FP-757HD	heavy duty ps speaker
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736-6M	6 meter unit for FT-736
736-220	220 unit for FT-736
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FT-5200	2mtr/70cm 50/35watts
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FT-790R/II	70cm all mode 25 watt
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FT-415	2mtr HT w/FNB-25
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Roaring Gap (NC) Repeater Updates Control System

-by William S. Owen, WB4PZA

The 146.82 repeater located at Roaring Gap, N.C. has been outfitted with a new control system. Due to the heavy use of the machine, it became necessary to employ some sort of programmable timers to limit the length of QSOs.

A microprocesser-based controller was the obvious answer to the problem; however, none of the commercially available units we investigated did what we wanted. So we designed and built our own.

The Z80-based system runs on software written by Steve Kelly, WB4PPS (the OTs will remember him as the original trustee of the repeater) and is supported by a TI speech processor, a Dallas RAMified timekeeper, 64K of operating system ROM and 256K of vocabulary ROM. The RAMified timekeeper contains the real-time clock, watchdog timer and system RAM. The circuit was constructed on a 4.5 x 5.5 inch board, designed to plug directly into the repeater control shelf.

Another board of the same size was outfitted with audio processing and switching circuits. Audio from the repeater receiver is first run through a gated compression amplifier to "ride gain" on the various incoming audio levels. Next, it goes through a "bucket brigade" delay line and comes out 100 ms later. At this point a CMOS switch controlled by the receiver COR functions as the squelch. The result of all this is consistent audio levels applied to the transmitter and no squelch tail static bursts since the COR signal gets to the audio switch ahead of the burst.

The audio board also contains a "kerchunk" filter. This circuit looks at the COR and audio signals from the receiver and "filters out" carriers without audio, preventing the transmitter from keying. Once a COR signal and audio are detected the transmitter is enabled.

The repeater is set up to operate in different modes and it switches between these modes when certain times have elapsed (or at a command from the real-time clock).

Currently there are four modes which we have designated as ***Calling, Conversation, Timed-out and Net.*** The repeater resides in the Calling Mode most of the time and is programmed with voice IDs. If the transmitter is continuously keyed for more than 30 seconds, the controller assumes a conversation has started and jumps to the Conversation Mode. This mode is programmed for a 30 minute time-out limit and CW IDs.

The timer cannot be reset unless the transmitter has been continuously unkeyed for one minute (resulting from a break in the QSO).

Five minute and one-minute voice warnings occur before the time limit is reached so that the QSO may be wrapped up. If the timer is allowed to reset, the repeater drops back to the Calling Mode; if not, it proceeds to the Timed-out Mode.

The Timed out Mode begins with the message ***"QSO Time-Out, Repeater Down for 15 Minutes"*** and disables the repeater. After this timer has run its course the repeater drops back to the Calling mode.

In order to prevent the nightly traffic net from being constrained by the timers, the system is forced into the Net Mode by the real-time clock between 2130 and 2200 hours ET. This mode is not programmed with a limit timer and has a different courtesy tone. The Roaring Gap repeater is home to the Central North Carolina Traffic Net, which is held nightly at 2130 ET. This directed net is open to anyone wishing to check in.

There is also a 3 minute "stuck mic" timer that is reset only after the courtesy tone is transmitted, so users should wait until the repeater "bleeps" before transmitting.

The system has been in operation for several months and is performing well. We continue to make minor software changes to debug and fine-tune the system and we hope everyone using the repeater will bear with us.

Co-located with the 2-Meter repeater at Roaring Gap is the KC4XE repeater on 448.55-443.55. This repeater is also used to link the KC4XE 10-Meter repeater on 29.52-29.62. The 10-Meter signals are received on 29.52 at Roaring Gap and are relayed via the 440 repeater to the 29.62 transmitter site just West of Wilkesboro, NC. Hams that are able to work the 440 repeater have access to the 10-Meter repeater.

My thanks to Steve Kelly, WB4PPS; Buck Stewart, N4GGN and Paul Whitney, N4MKF - our tower crew, and Mike Warren, WB4QCY our picture taker.

GIVE YOUR FRIENDS
A SERA MEMBERSHIP

SERA QUARTERLY FINANCIAL STATEMENT

-by Ray Adams, N4BAQ, SERA Treasurer

FINANCIAL REPORT FROM JANUARY 1 TO SEPTEMBER 30, 1988, 1989, 1990, 1991 and 1992

Dues	$6/$15	$6/$15	$6/$15	$6/$15	$6/$15
REVENUES	1988	1989	1990	1991	1992
Advertising	$ 5,792.00	$ 7,084.00	$ 8,672.70	$ 7,661.65	$ 8,235.25
Associate membership dues	9,729.50	8,507.25	7,512.00	8,404.00	11,284.65
Full membership dues	3,394.00	3,882.50	5,807.00	5,297.50	3,949.75
Decals	116.50	31.00	33.50	142.75	52.00
Postage - includes HOT-P	103.50	135.00	164.50	203.50	211.75
Interest	425.97	216.55	338.09	383.68	341.54
Hats	47.50	- 0 -	- 0 -	- 0 -	- 0 -
Contributions	- 0 -	336.40	100.00	50.00	200.00
Other	12.00	100.00	95.25	207.50	132.25
	$19,620.97	$20,292.70	$22,723.04	$22,350.58	$24,407.19
EXPENSES					
Journal distribution	$ 2,061.44	$ 2,363.18	$ 2,311.87	$ 2,976.35	$ 3,772.78
Journal production	12,012.71	15,511.23	13,121.32	12,775.09	18,540.73
Miscellaneous	100.00	115.75	140.00	96.61	- 0 -
Travel and meetings	1,241.72	1,856.42	1,469.98	847.86	2,561.45
Office expenses	208.65	386.47	587.35	1,269.96	1,055.75
Amortization of office machines	862.24	1,125.90	1,322.52	2,059.43	2,078.44
Postage - other than journal	898.79	1,368.26	859.28	1,380.14	1,899.03
Printing - other than journal	494.76	418.41	464.64	233.64	772.15
Telephone	732.04	426.12	515.56	1,220.64	1,261.26
	$18,612.35	$23,571.74	$20,792.52	$22,859.72	$31,941.59
REVENUES OVER (UNDER) EXPENSES	$ 1,008.62	($ 3,279.04)	$ 1,930.52	($ 509.14)	($ 7,534.40)
Balances, Beginning of year					
Expenses advanced	$ 900.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	1,696.00	3,026.00	3,203.60	2,749.00	4,340.50
Cash in bank	7,252.05	5,393.35	4,156.54	9,130.27	12,958.28
	$ 9,848.05	$ 9,319.35	$ 8,260.14	$12,779.27	$18,198.78
EQUITY TO ACCOUNT FOR	$10,856.67	$ 6,040.31	$10,190.66	$12,270.13	$10,664.38
Less:					
Expenses advanced	$ 900.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	3,026.00	3,203.60	2,749.00	4,340.50	4,475.00
	$ 3,926.00	$ 4,103.60	$ 3,649.00	$ 5,240.50	$ 5,375.00
CASH IN BANK	$ 6,930.67	$ 1,936.71	$ 6,541.66	$ 7,029.63	$ 5,289.38

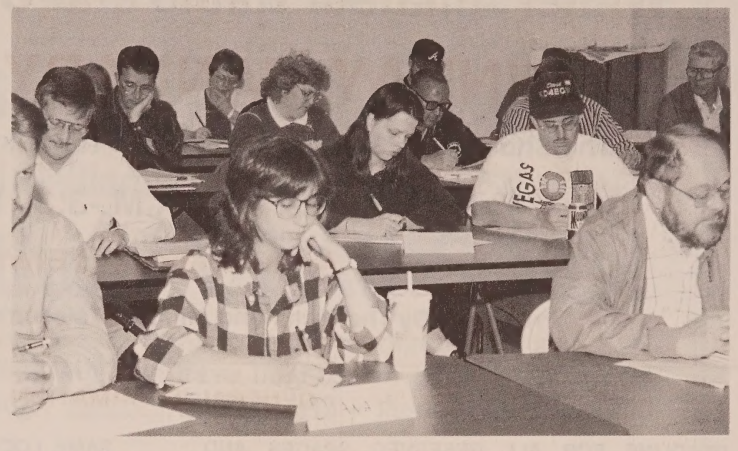
Classes In Greensboro Are Really Getting Out

Editor's Note: This is the first in a series of success stories about how the Amateur Community is responding to and treating new Amateurs. If your club has a success story to tell, send it to us on disc. Photographs are accepted too!

-by Steve Mosier, W3GRG

The *76 GROUP*, a group of Greensboro, NC, area hams, has been conducting ham radio classes for two years now and has a pretty good record of putting new hams on the air.

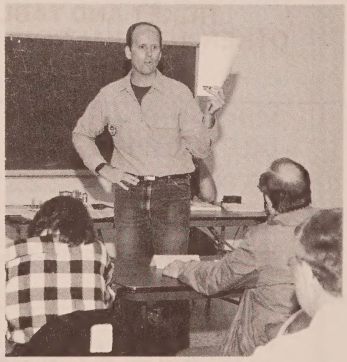
The first classes were held in October/November, 1990, at Christ United Methodist Church in Greensboro. Instructors were Bill Boyes KB1G, Charles Layno WB4WOR, Richard Marshall WB4CCT, Steve Mosier W3GRG, Fred Redmon N4GGD, Roy Smith N4BYU, and Howard Weinstein N4QXJ.



COPYING CODE - Class members of the 76 Group listen intently and think hard as the learn the code. The classes are offered for both No-Code and Coded Technician licenses, the participants are encouraged to go ahead and learn the code in a class environment to get a good start on the upgrade scale of Amateur Radio. (photo by Steve Mosier, W3GRG)

The list of new hams and upgrades from that first class is impressive: KC4's CZS, MPY, NIP, and VZE; and KD4's ANH, ANI, ANJ, BQB, BQC, BQD, BQE, BQF, BQG, BQT, BQV, BQW, BQX, BQY, BQZ, CTQ, CTR, DMI, and EQW. Fifteen of those passed with morse code and many have since upgraded.

The second class was held in March/April 1991 at Peace United Church of Christ in Greensboro, and graduated KD4's IRI, IRJ, IRN, IRP, IRQ, IUI, IUJ, IUK, IUL, IUM, IUN, IUO, and IUP. Just recently, KD4IUO became the first class graduate to pass Extra.



Fred Redman, N4GGD keeps the new prospective hams interested during classes by adding stories along with rules and regulations. The September class had 23 members, including several family groups studying to be licensed together. (photo by Steve Mosier, W3GRG)

The third class, also at Peace church, in February/March, 1992, graduated KD4's NEA, NFK, NFL, NFM, NFO, NFP, OVY, PAY, AND PAZ, and Steve Flanyak KD4BQX from the first class joined the faculty.

The fourth class, at Trotter Recreation Center in Greensboro, started at the end of September, 1992, with 23

Continued on Page 14

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76 Group Ham Classes

Continued from Page 11

students, and picked up yet another faculty member, Joe Leggio WB2HOL.

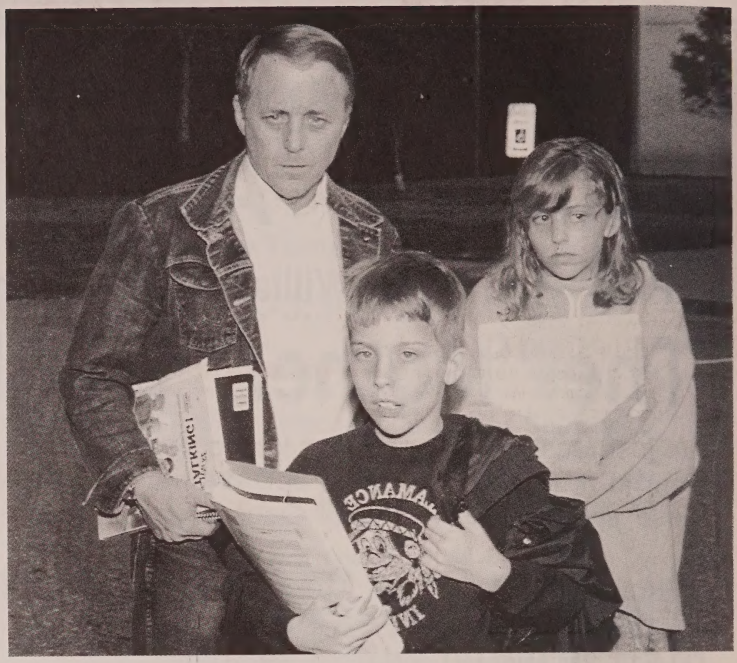
The *76 GROUP* also makes a special effort to get more women and youth into the classes, and that's paying off. Friday night coffee in Greensboro is not just a bunch of men anymore.

The *76 GROUP* instructors are delighted to see the ranks swelling with the new codeless license, but they are adamant about trying the code. N4GGD and KB1G, the group's code instructors, have been tireless in promoting CW.

"We're here to teach code, and we're going to twist everyone's arm to give it a try," says Bill Boyes. "We think after you see how easy it really is, you'll be hooked. If not, that's OK. If you try it and don't make it, you're still going to come out with a Technician license. But we want you to at least give it a try!" The class starts at 6:30 every Thursday evening for 7 or 8 weeks with demonstrations and displays. At 7:00, Bill and Fred start 50 minutes of code instruction. Then, after a short break, the class moves on to 90 minutes of instruction from the ARRL book *Now You're Talking*. The instructor usually changes every week, but the formal class is just a small part of bringing a new ham into the fraternity.

"Ham radio isn't just the ability to receive code or pass a test," says Fred N4GGD. "It's a spirit of tinkering, of public service, of excitement, and a lot more. So we invite everyone to join us for coffee after the class. Then we invite them to coffee on Friday evening. And breakfast on Saturday morning. And we have a published list of Elmers for them to call with questions." In fact, every class is accompanied by a large group of hams outside the classroom.

Continued on Page 15



AS A FAMILY - It's not unusual to see several family members taking ham classes together. At the Greensboro 76 Group September session, John Marsh, his son Jerry and Daughter Jamie studied together to become Amateur radio operators. (photo by Steve Mosier, W3GRG)

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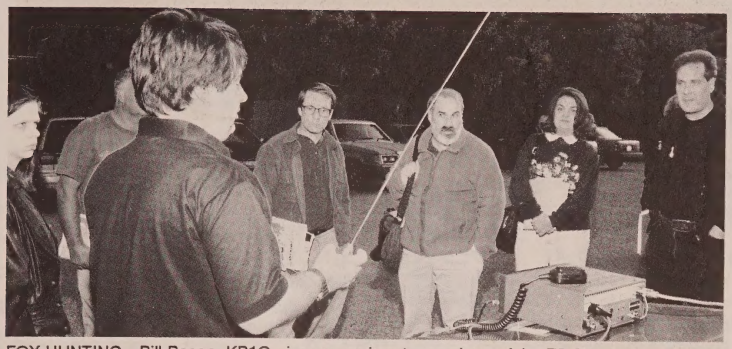

FOX HUNTING - Bill Boggs, KB1G gives a seminar to members of the 76 Groups ham classes explaining directional antennas, and how a fox hunt is conducted. Members of the class all are given name badges with the calls being their initials. (photo by Steve Mosier, W3GRG)

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76 Group Ham Classes

Continued from Page 14

"We need to be visible and ready to talk ham radio, and we need to show the students that there are a lot of us who really care about them becoming hams," says WB4CCT, who is also the coordinating VE of the group's W5YI VE team.

And the *76 GROUP* isn't going to leave these new hams alone once they've got their tickets. First of all, when they pass their exams, they're going to get congratulated on the Sunday evening *76 NET*, an information net which covers a wide range of the North Carolina and Virgina piedmont region. Then, when they receive their tickets, they're going to be welcomed to the net and congratulated again. They'll be recruited to help with Jamboree-on-the-Air (JOTA) at the Boy Scout camp each fall, and Field Day in June, and be encouraged to keep working on an upgrade.

"When we think they need a General class licence course, we put that on, too," says Charles WB4WOR. "We do whatever it takes to build our ranks."

And in Greensboro, the ranks are indeed growing.

Simplex Frequencies

The ARRL Repeater Directory lists certain frequencies that the League has identified as Simplex Frequencies, however, they also mention some of these frequencies are subject to local option, by local coordinating councils.

Local Option means that in some areas of the country, concentration of repeaters, demand, or whatever has caused different coordination councils to use more or less of these optional frequencies for repeater inputs.

SERA, the SouthEast coordination council recognized certain requirements in the early seventies, and assigned some of those optional simplex frequencies to be used for repeater inputs.

The basic reasoning is that on simplex, operators generally operate on a local basis, but with repeaters, operation is considered generally a regional basis. Since more repeater operation is expected with more hams, it became necessary to assign some of those generously numbered simplex frequencies to badly needed and required repeater inputs for fairness.

SERA set up this band plan, years before ARRL finally came up with a 2-meter plan, as did most other coordination councils in the county.

The SERA Band Plan simplex frequencies are listed at the beginning of our Repeater Index on Page 25.

Orange County Amateurs Provide Communications During Chapel Hill (NC) Fires

-by Jim Lea KA4UBN

The Orange County Radio Amateurs (OCRA) received a "baptism by fire" providing emergency communications during the Chapel Hill (NC) fires on Sunday, September 20th.

Two major fires, on opposite sides of town, provided a real-life test of the effectiveness of Amateur Radio - Emergency Service communications.

As the fires blazed, KC4UBR, John Ormand, an off-duty employee at the Orange County 911 center, put out a general call on the Durham FM Associations's 147.225 repeater to OCRA members. Due to miscommunication, response was slow until he used the autopatch to call additional fire units to the scene. John Welton, N4SJW, heard the autopatch calls and activated an emergency net.

Eight Amateurs, all members of the newly-formed OCRA Club, passed thirty-two messages between the fire sites and the Orange County Emergency Operations Center. Steve Jackson, KZ1X, set up a cross-band repeater from his car at the downtown site to improve communications into the repeater. Jackson, the Orange County ARES manager, founded OCRA earlier this year.

Nick Waters, the Orange County Emergency Management Coordinator, was very pleased with the results of the Amateurs' efforts and is providing OCRA with a tower and antennas at the Emergency Operations Center.

Net control, WA1YYN, was able to coordinate the net using his hand-held from the EOC, but a general concensus was reached that an antenna system was needed in case a major disaster puts the repeater off the air.

The local Amateur community is to be commended for their cooperation during the net by keeping the repeater clear of unnecessary traffic. Special commendation goes out to the eight Amateurs who put forth a great effort under strenous conditions: Neil, KD4BEQ; David, WB2KAM; Tom, N4LUN; Sonny, KD4OFH; John N4SJW; John, KC4UBR; Steve, KZ1X; and Pete, WA1YYN all did a supurb job that should make every ham proud.

New Ham Radio Video

This new 28 minute program has been creased to show what Amateur Radio is really all about! You can use "More About Radios" as a recruitment tool for presentations without the technical jargon. The video can stand alone, or be part of a presentation to promote Amateur Radio in your comjunity. "More About Radios" is an excellent addition to any school or club library.

Join the host M.L. "Gib" Gibson, W7JIE, as he guides the audience from one adventure to another. Zman Productions documented the events of successful Amateur Radio clubs and their members for several months. The video introduces easily understood topics such as radios in an apartment, mobile operation, public service, emergency communications, swap meets and field day operations.

For best results, start by showing Zman Production's earlier motivational video, "More than Radios" which was released in 1991. Then, continue with the new video, "More About Radios" to introduce basic concepts about Amateur Radio.

"More About Radios" is available for $14.95 plus $3.00 shipping and handling. "More Than Radios" is available for $9.95 plus $3.00 shipping and handling. For information, write: Zman Productions, 8051 N.E. 143rd St., Bothell, WA 98011. Phone: (206) 823-1096.

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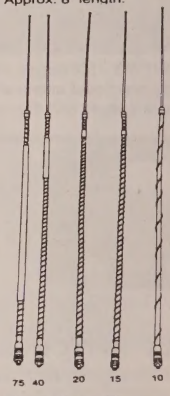

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The Case of The Free Running Booster

Special to the Journal
-by Harry Dannals, W2HD

One morning last Summer, the Albemarle Amateur Radio Club's 146.76 repeater (WA4TFZ) located atop Carter's Mountain in Charlottesville, Virginia, was receiving random "kerchunking" by a noisy signal without any modulation. Hein Hvatum, N4FWA, and the writer listened on the repeater input and discovered a relatively strong signal . . . very unstable in frequency and "wobbulating" . . . which was moving randomly from a frequency above and below the repeater input of 146.16. When the signal came within the repeater input passband, the repeater was keyed up. During the course of several hours of observation, it was noted that the unidentified signal wandered almost 100 KHz from 146.1 to 146.2 MHz with absolutely no recognizable pattern.

Approximate beam headings were obtained from two locations and it was afternoon before Ed Lange, KC4YLX, and the writer were able to get underway with a portable 3-element beam in a car to obtain further fixes. During the course of this effort it was determined that the interfering signal was possibly coming from a residential area, but nothing was definite since the signal was jumping so frequency that accurate fixes were difficult to obtain.

Late in the afternoon, a 60 db variable attenuator was supplied by N4FWA, but the hunt had to be halted due to darkness. It was considered that residents of the area which was now identified as the "hot spot" would not look very kindly upon two fellows roaming around their streets with a strange looking bunch of aluminum tubing and cables and such! Additionally, the interfering signal had decided to rest in the cooler evening air near 146.19 MHz and was no longer "kerchunking" the repeater.

On the following day, KC4YLX and I returned to the "hot spot" neighborhood with beam, attenuator and handheld transceiver and took several fixes. It took only an additional half hour to locate a private residence which seemed to be housing the QRM-maker.

After explaining to the homeowner who we were and what we were trying to do, we requested permission to take a final fix from the rear of the house. It gave us the right answer and we returned to discuss the situation with the homeowner.

She said that she had been having trouble receiving with her TV set ever since a recent storm a week earlier. She also said she had a TV "booster" of a popular manufacture. She disconnected the power to the booster and our trouble disappeared!

Experience in many hidden transmitter hunts over the years didin't help too much in this case. While the "fox" was often allowed to change power and antenna heading, he usually stayed on a single frequency rather than jump 10 or more KHz in an instand as did our "friendly" booster! However, all's well that ends well and the WA4TFZ 146.76 repeater is at pease again.

Are You A New Reader!

If you are reading the Repeater Journal for the First time, we invite you to join our organization and get the Journal free every quarter. Associate Membership costs only $6.00 per year. See the handy membership application in this issue.

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WEST VIRGINIA NOTES

-by Ted Wolfe, WD4KHL
Send News To: P.O. Box 133, Cabin Creek, WV 25035

November, already! How time flies! It will soon be a new year. I hope all of you got to attend as many hamfests as you wanted in 1992. And with Christmas just around the corner I hope Santa has some nice electronic gadget under the tree just for you

* * * * *

I did not get to the Cincinatti hamfest this year in its new location on Sunday, Aug. 23. But I heard they had the usual good crowd. The hamfest season has been over for us in this immediate area for over a month now and we are awaiting the arrival of 1993 and the first scheduled in our area at Fayetteville, WV in February.

* * * * *

The West Virginia State Amateur Radio Council this year at the state ARRL Convention and Hamfest at Jackson's Mill on July 4 presented its "Outstanding Amateur of the Year" award to Oliver N. Rinehard, WD8V, of South Charleston, By the way, Olie, what's the "H" stand for?

I will summarize some of the specific points below from the three page letter nominating him for the honor.

"He was first licensed as a Novice in November 1983; Technician in June 1984; General in May, 1987; Advanced in Jan 1988; and Extra since March, 1988." Olie, who retired in 1972, is a licensed real estate agent and appraiser and a Notary Public. He is married to Ann Rinehart, KA8ZBY, and they have three sons.

Oliver says the best thing that ever happened to him was that his "elmer," who administered his Novice test, Karl Thompson K8KT (WV ARRL Section Manager), insisted that he not take his Technician test and get into 2-meters but work CW for at least one year. Oliver earned his Worked All States award as a Novice in the CW mode.

He has been an active member and an officer of the Kanawha ARC and has participated in many Amateur activities over the years. The 62-year-old ham has acted as an ambassador for Amateur Radio through public appearances at programs for various civic organizations and has appeared on more than one occasion in newspaper articles and on television promoting Amateur Radio. He is extremely active on the National Traffic System and has earned his "Brass Pounder's League" certificate. Our congratulations to Olie for capturing the "Outstanding Amateur of the Year" honor.

* * * * *

Also at the state convention, Al Hix W8AH, accepted a certificate from ARRL Roanoke Division Director John Kanode, N4MM, acknowledging the KARC's 25 years of affiliation with the League. These activities at Jackson's MNill occurred after the copy deadline for the last issue of the Journal.

* * * * *

Sam Moore, W8NCD, finally returned from his solo jaunt to Alaska this summer. We have a separate story with pictures about his trip elsewhere in this issue.. Sam's grandson, Jason Moore--a sophomore this school year at Charleston's Capitol High School--finally got his Extra Class call, AA5HU. He was first licensed as a Novice KB8LFG on December 14, 1991. He received his Advanced license KF8SP in Feb of this year. During the summer he took and passed his Extra exam. Jason aspires to attend the U.S. Air Force Academy and is working toward a scholastic record that may assist him in achieving that goal. He is also active in the Civil Air Patrol.

Sam says it took him 53-years to get his Extra after getting his first ticket in Jan 1935. He said when his son, Dick WA8DGE, got his Extra, He--Sam--had to catch up.

* * * * *

The East River ARC *"Current"* (Summer '92) told me something about Charlotte, NC, that I didn't know. The article told about *Discovery Place*, a science museum downtown about a mile off I-77. Facilities include a 3-D theatre, a Space Voyager planetarium, an Acquari, the Life Center, the Science Circus, and Early Childhood Learning Labs--with lots of computers.

There is an Amateur Radio Education Center in the complex with HF radios and multi-mode VHF and packet stations and Amateur TV. Members of the Charlotte Mecklenburg ARC (W4BFB) explain the electronics and will permit you to operate upon presentation of your license, according to the article.

There is an admission fee, but it sounds interesting enough to check into the next time I am in Charlotte. You might care to do likewise and take the youngsters along.

* * * * *

Another story in the "Current" under the heading Life As an Amateur Radio Operator and titled "One Night While Crusing" by Dean Gatherum N8OLT, who is the ERARC club secretary, is hilarious. It's too long for me to summarize

* * * * *

The Sep Newsline from the Tri-State ARC at Huntington (Thanks for putting me on the mailing list) says the Club voted at its August meeting for a new repeater and a committee is now hard at work gathering quotes on equipment to meet the club's needs. I assume that's an upgrade for the present repeater rather than a new coordination. I may be able to clear up that question in the next issue.

* * * * *

The August meeting of the Southern West Virginia ARC set an attendance record of 41 members and guests--including one who came all the way from Turkey. Kent Hersman KB8DBD, serving there in the US Air Force, was home for a visit with his parents, David and Crystal Hersman (WB8NXA and KB8DBJ) and family.

The SWVARC 146.73 repeater was off from July 4 through August 3 for overhaul. A new controller will soon be added to the repeater.

Club members who took part in a work detail on the mountain road to the repeater site recently were: Gary WV8D, Harry KF8TQ, Bill KB8NWU, Leonard N8DIS, Norman WA8AVZ, and Aron (call pending).

SWVARC and the WV State Office of Emergency Services sponsored a PR and information booth at the West Virginia State Fair at Fairlea Aug 14-22. Rudy Holbrook presented a citation from DES to club president Gary Bostic WV8D for members' efforts which kept the booth open from 1:00 to 9:00 p.m. each day of the Fair.

The Fair booth was manned by the following volunteers: Bob W8KBM, Randy KB8GRM, Charlie KB8DRK, Leonard N8DIS, Bill KB8NWU, Harry KF8TQ, Gary WV8D, Bill WA4FZG, Paul KD8WY, Mike KB8NWV, Herb KN8NWS, and Calvin KB8LPP. A list of visitors to the booth was kept and those who indicated an interest in Amateur radio will be invited to attend the SWVARC ham license classes beginning in January 1993.

A pickup truck has been donated to the club to be sold to raise funds to purchase a trailer to be converted into a mobile communications center and vending post.

The annual SWVARC Christmas dinner will be held Thurday, Dec. 10, at the Ranch Room at the Greenbrier Valley Airport. The

Continued on Next Page

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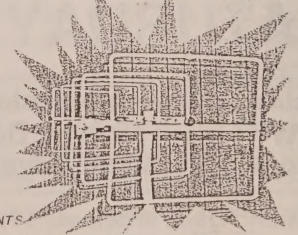

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WEST VIRGINIA NOTES CONTINUED

news release did not specify the time, but those who wish to attend have plenty of time to seek out that information.

* * * * *

From two different sources I have two more corollaries to the basic ***Murphy's Law.*** They are: "A shortcut is the longest distance between two points," and "When a broken appliance is demonstrated for a repairman it will always work perfectly."

I think the last is akin to another which goes something like "The knock or rattle always disappears when a mechanic opens the hood of your car."

WEST VIRGINIA PACKET NEWS

Since last issue Terry North WB8IFS, has dropped the BEEDX node on 145.09 (the area packet cluster frequency) for lack of use. He gave it a new alias, BEE-LAN:WB8IFS-76, and put it on 145.05, still on Bee Mountain near Marmet. It has gotten a lot of use right from the start, taking some of the pressure off BEE:WB8IFS-3, on 145.01 on Bee Mt. With HTSO5:KB8DA-5 on the ETV station tower near Huntington on 145.05, along with HURC:N9DMK-2, PARC:NM8T-5 on Gauley Mt. near Ansted (operated by the Plateau ARC), and MULLENS:WE3J-5 and WVBUF:WR8M-5 at Williamson, there is now a rather large area LAN network on 145.05. The frequency also provides a path to an .05 port on the area PBBS, WB8CQV.WV.USA.NA in South Charleston.

* * * * *

Charlie Marlowe, WB8CNN, near Beckley, is putting a BKW node on the air near there, sponsored by the Black Diamond ARC. For a time Charlie considered putting it on 145.03, thus opening another LAN for the area. But another node somewhere in the Teay's Valley area would be required to provide a path to KYBLK on the highest mountain in Kentucky (along the WV/KY border) to work into other 145.03 nodes further South. At last report Charlie is experimenting with the node on 145.67, but I suppose the final frequency will be determined through trail and error and experimentation.

* * * * *

I keyboarded with Pete Stark, KB8DA, in Huntington, who said he has a couple of spare TNCs and would consider putting one of them on 145.05. I suspect before that happens Pete will confer with other node ops to determine the best frequency to provide another route and LAN for keyboarders.

* * * * *

Around the end of July, Garry White, WD8OMB, and I drove to Columbia, SC to visit his brother, Shirley, KD4HB. We remained for three nites and I gave packet a try in Columbia. I became quite frustrated when I could not figure out the system in use there. I couldn't find a path out of town except via the ROSE network there. Shirl, Garry, and I have been trying for three months to find a keyboard-to-keyboard path between SC and WV. We're still trying.

While there I did play around learning more about the ROSE network and even managed to work my way back North as far as Kentucky where the path broke down.

* * * * *

I have accessed the ROSE switch at Knoxville, Tn, AC4JF-5,615428, from home on 145.05 by way of BEELAN, WVBUFS, and KYPIKE. The only ham I know in Knoxville is Ray Adams, N4BAQ, Treasurer of SERA. So I may soon try to connect to him and hope has has a station and monitor on 145.05.

* * * * *

The WV Digital Amateur Radio Emergency Network being developed to encompass each of the state's 55 counties, continues to add new nodes, digis and PBBS locations.

At the end of August these were the stations up and running:

NODE	DIGI	PBBS	CALL
WOODWV	WOODWV	PKBGWV	WA8LLM-7
KANAWV	KANAWV	CHASWV	WA8LLM-9
MARSWV	MARSWV	MDSVWV	WB8ZTV-10
WETZWV	WETZWV	NMARWV	WA8LLM-4
WYOMWV	WYOMWV	PINEWV	KC8IT-2
JACKWV	JACKWV	RPLYWV	WA8LLM-6
RANDWV	RANDWV	ELKNWV	N8POB-7
BOONWV	BOONWV	DANVWV	N8JEL-2
*	WOODES	WOODES	WA8LLM-15

* - Note: Digi only, usually located at the EOC for the county.

- - - - -

If it seems like Greek to you, the key is the first four letters of the county name, plus WV. For the PBBSs in county seat towns use a combination easily figured out--example: PINEWV for Pineville, WV, the Wyoming County seat of government; or STMYWV for St. Mary's in Pleasants County.

The DAREN system operates on 145.69 and developers of the system ask that only Emergency, Priority, and NTS type traffic be used on this frequency.

* * * * *

Again, I want to impress upon you the fact that I can't write about your activities for the JOURNAL unless you get the information to me. You can send it by mail to: Ted Wolfe, WD4KHL at Post Office Box 133, Cabin Creek, WV 25035; or via packet to WD4KHL @ WB8CQV.WV.USA.NA. I check the bulletin board at least once a day, and most days twice. If you leave a message there for me I can then print it out and hold on to the info until time to write my column.

The Repeater Journal comes out each February, May, August, and November, but copy for those issues must be in the mail to the editor by the first day of the month preceeding the month of publication. That means my deadlines are the first of Jan, Apr, Jul and Oct.

If the deadline is near and it is urgent you can call me at (304) 595-3970. I am home most of the time. And I warn you, I am the world's worst when it comes to hanging onto my little pieces of paper with column notes on them. In desperation my latest system is an "in" box into which I toss all written materials and hope it doesn't get lost between the time I toss it in and the time comes to dump it out on the desk and begin sorting and writing.

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Coming in February Journal

Greensboro JOTA Exercise

Steve Mosier, W3GRG of Greensboro, N.C. has covered the local clubs Jamboree on the Air exercise which occurred in mid-October. He has promised the Repeater Journal pictures and story for the February issue. Watch for it.

The Lady on the Mountain

Also coming in February. There is a lady who is a member of the forestry service on Mt. Mitchell, the tallest mountain on the East coast. She recently became a ham. Steve W3GRG promises a story and pictures about this very interesting young lady.

SOUTH CAROLINA NEWS

-by Gary, WD8OXE & Donna, KB4TUY Foster
Send news and correspondance to: 670 Foster Road, Inman, SC 29349

As I finish up the column this month Donna is in Homestead, Fla. or somewhere close with the American Red Cross. Wayne and myself hoped that we would have a story of her relief efforts for this Journal issue but just as she was to fly back to Spartanburg the tornados hit and she had to stay. Hopefully by the next issue we will have the story. From what she has told me on the phone life can be interesting in a tent city.

* * * * *

Our state is getting a lot of national and world press with the new BMW plant being built in Spartanburg but when it comes to news about ham radio the Repeater Journal is still your best forum. According to Ned, N4FVU SC Section manager we only get about 22 lines in the QST each month so he is forwarding state news to us that he can't get in the QST. We would like to thank all the clubs that send us their news letters which are a great source of info. Also thanks to N4ENX, N4FVU, W4FV, K4SAO, K4CGS, KF2X, N2CFN, WA4YBD, and KB4RRC.

* * * * *

NEW REPEATERS: The following repeaters are on line or will be in the near future: Gaffney will have a new 440 repeater on 444.800 at the site of the 145.47 repeater. If you are driving up I-85 you can see the tower on the mountain behind "THE PEACH". Summerville will have a new 2 meter repeater on 146.94 and a 440 repeater on 444.95. No other details at this time on the repeaters actual location.

* * * * *

NEW FLORENCE 220 REPEATER ON THE AIR - Just we were sending our copy to the Journal editor, we got word in the Florence News letter that the Southern Bell Pioneers repeater was on the air on 224.94 with the antenna at 300 ft at the Cheves street building. The autopatch is *89 up, # down.

* * * * *

Net Listings: The following are area nets that SC hams can check into. This is not a complete listing but the ones that we have been made aware of. Please let us know of any corrections or additions.

Daily: 7pm 3.915 Mhz SC SSB; 8pm 6.88 Shelby; 9pm 6.61 Greenville; 9pm 6.79 Anderson.

Monday: 9am 6.76 Asheville; 7:30pm 5.15 Thermal Belt (Western N.C.& Northern SC); 8pm EST 9pm EDST 6.85 Florence; 8pm 7.03 N. Myrtle Beach VHF.

Tuesday: 8pm 7.27 Charleston; 8:30pm 6.76 Asheville (South to Columbia); 8:30pm 7.33 Toccoa (Northwestern SC).

Wednesday: 9am 6.76 Asheville.

Thursday: 6pm 6.76 Kids Net (Asheville and Upstate); 8pm 5.15 ROMEG (Upatate and Western NC); 8pm 7.27 Seneca; 8pm 28.305 10 meter novice; 8pm 5.11 & 7.12 Grand Strand; 8:30pm 6.76 Asheville; 8:30pm Toccoa; 9pm 7.165 Greenwood; 10pm 5.15 Seeing Tidbits.

Friday: 9am 6.76 Asheville; 9pm 224.600 Upstate.;

Saturday: 9pm 5.19 6600 Mt. Mitchell (5 states).

Sunday: 8:30 5.43 Columbia; 9pm 224.26 Mt. Pisgah; 9pm 224.14 Upstate.

* * * * *

BEAUFORT - If your traveling thru through the low country of South Carolina or visiting Hilton Head try the 145.31 repeater in Beaufort. Located 2 miles Northwest of the infamous Parris Island the KB4GY repeater covers Beaufort, Jasper and part of Colleton County. The repeater is a Kendecom machine running 40 watts into a multiple dipole antenna mounted on the county communications tower at about 250 ft. Don't be surprised when you hear a lot of 1 and 2 calls on the repeater because this area is a favorite retirement spot for our northern neighbors.

Also in the area is the White Hall 146.91 repeater located on the the WJWJ TV 16 tower east of Walterboro. This repeater provides wide area coverage for the Low country area of SC. Hilton Head also has a repeater on 147.24.

* * * * *

The American Red Cross is providing the Columbia ARC with picture I.D. badges for their emergency communications efforts. These badges have been very effective in emergency situations.

* * * * *

The Grand Strand ARC has grown from 22 members to over 150 inless than one year, Brad France-Kelly, WA4YBD has promised us an article on how they did it. GREAT WORK GUYS!

* * * * *

SC has at least one Sheriff who is a ham. Sheriff Gene Taylor WD40 is the sheriff of Anderson County having been elected to the office in 1988. Sheriff Taylor gave a program to the Anderson Radio Club in September on home security and the crime watch program and pointed out many simple steps they can take to prevent crime.

* * * * *

WORK A SATELLITE WITH YOUR DUAL BAND FM RADIO - You can now work a satellite on FM with your dual band 2meter/ 440 rig from your home or car. The satellite is AO21, a Russian-German built bird that uses DSP technology to rebroadcast your voice in live time. The uplink is 435.015 and the down link is 145.985. You may have to make some small frequency adjustments for the doppler shift. Check your local packet BBS for pass times. Don, K4SAO & Fred,WD4KTI have worked Mobile to Mobile using Alinco 570's into Diamond antennas several times. Don has also worked several statesmobile including WA2GSY, Joe in N.J. and KB8KVY, Shawn in Ohio. Andy, WA4ZIB has also worked it with a dual band HT! Keep in mind that this a flying repeater that covers about a third of the country as it flys by at low orbit so expect it to be busy and keep your transmissions short.

Until next issue in February - send news

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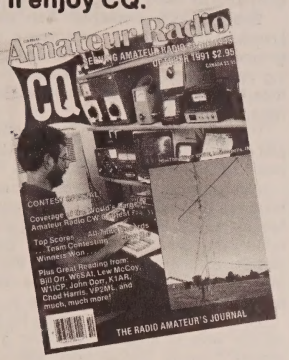

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Send News To: 5303 Driskell Dr., Winston, GA 30187

The Hartwell Amateur Radio Society reports that they are using new CAT 500 controllers on two of their machines. Jones, N4VNI, reports that they are very happy with the controllers. Seems they had a problem with the one on the Lavonia machine and the person who sold them bent over backwards to help with the problem. Turns out it was not a problem with the controller - probably an installation problem, better known as "pilot error". If you're traveling North the gang in Lavonia and Hartwell invite you to pick up the mike and say hello. Their machines are 146.895 (-) in Hartwell, 146.715 (-) in Lavonia, and a 70 CM machine on 442.475 (+). The 2 meter machines have direct access to 911. Just hit 911 on your DTMF for a response.

* * * * *

A first? The Middle Georgia Radio Association has another affiliated repeater on the air on 145.11 (-). The machine is still being tested at a temporary site. To our knowledge the machine is using the FIRST active CAT-1000 controller in the Georgia District. Owners reports are that the controller is doing a fantastic job. We look forward to the machine going into service at its permanent site in Cochran, GA soon.

* * * * *

Dave Shiplett, AC4MU, SERA President, and Stu Sims, N4MXC, Georgia District Director, were treated to an almost free dinner and a great meeting on Sep. 17th by the Albany ARC. Dave and Stu provided a program on SERA organization and history, repeater happenings, controllers, the repeater coordination process, and Georgia District News. The presentation was informative and everyone had fun.

Stu and Dave welcomed the opportunity to speak with club members and their guests and thank the Albany ARC for a great evening.

* * * * *

The C.A.R.S. group in Savannah have local packet bulletin boards on 145.01 and 145.03. They also have an HF Novice - Technician net on Tuesday and Thursday evenings at 9:00PM on 28.309 Mhz.

* * * * *

For those who haven't noticed the Georgia District has a couple of new people working repeater coordination and issues. Bert Coker, N4BZJ, of Dalton is an assistant in the Northern Area, yours truly Mike Flammia, N4PLM, of Douglas County, is Vice-Director and has responsibility in the greater Atlanta area. Larry Smith, N4FD, of Albany remains an Assistant Director for the Southern Area. The group is being ably led by Stu Sims, N4MXC, of Cochran, the Georgia Director. Stu worked with Dave Shiplett, AC4MU, for over 5 years on repeater coordination and issues and is eager to continue to serve the repeater sponsors/trustees of the district. Stu is an active repeater owner, assists (programs and control operator) with the two (soon to be three) Middle Georgia Radio Assoc's repeaters, an ARRL member, a current officer of the MGRA, past Amateur of the Year and former President of the Central Georgia Amateur Radio Club of Warner Robins.

* * * * *

HELP, HELP, HELP! The Georgia Director and I need the help of repeater owners/trustees. Repeater coordination is getting to be a real challenge in all bands, but especially in the 2M band. The process currently involves wrestling with maps, rulers, dividers, frequency and repeater charts, and a number of phone calls or letters for each coordination request. We need a firm location for ALL repeaters. Knowing the city is NOT sufficient when the city spans a number of miles because we can't determine accurate distances between existing and or requested repeater locations. We simply need the geographical coordinates of your repeater location. The information is easily obtained from your property plot, tower host, city planning office etc. The annual repeater data sheets will be coming out in a few weeks - please insure the geographical coordinates are included and correct. We have a great computer program which computes distances from known repeaters, considers adjacent spacing, considers band plans, provides possible pairs for a given location, and helps coordinate repeaters - but is driven by geographical coordinates. Appreciate your help.

* * * * *

Hurricane Andrew: A group of Dalton, GA hams journeyed to Homestead, Florida to help restore communications. The group led by Bill Jourdain, N4XOG, included Dalton area repeater sponsor Mitch Mashburn, N4YYD, and Tracy Rice, KD4JBQ. They drove to Homestead, FL with equipment and antennas and spent about a week getting local hams back on the air and providing emergency communications. More names and details as we get them. Great job folks!!

* * * * *

Forsyth: The W4SPJ repeater in Forsyth is testing on new frequencies. The repeater can be found on 147.315 (+) during the test.

* * * * *

Hamfest Undertaking: Don Hoover, KD4FAP, representing the Central Georgia ARC, is the chairman of the Central Georgia National Hamfest to be held at the Georgia National Fairgrounds on April 3, 1993. Being a hamfest chairman is never an easy job but Don is chairing a committee made up from THREE area clubs! Sponsors of the event are the Central Georgia ARC, the Middle Georgia Radio Assoc., and the Macon ARC. The hamfest will host the ARRL Georgia Section Convention for 1993. I hear that the display hall is huge and that there is parking for over 5000 cars at the site. Put this one on your calendar early! See you there.

NORTH CAROLINA NEWS

-by Gene Fegely, K3EJG

Send News To: 115 Randomwood Lane, New Bern, NC 28562

Checking Out Field Day

Field Day was the biggest ever for several of the North Carolina amateur radio clubs according to several of the reports received.

Perhaps the best report comes first hand, as I tried to visit several sites and encourage some packet activity for emergency use. Armed with a laptop, KAM, an Alinco HT and a 24 AH gel cell, I fed a five-eighths Larsen antenna atop a plastic pipe homebrew mast.

* * * * *

The first stop was the New Bern ARC, located as usual at the Blackbeard Sailing Club in Fairfield Harbour. Here it took fifteen minutes to set up the station and impress Pete, KA4SXX, Sid, WA4VBC, and Wil, K1VJQ, with its use.

* * * * *

Jerry, KD4KQR, one of the successes of our last year's novice/tech class was down from Greenville on his weekly visit and told me his wife, Bonnie, also has passed her ticket and is waiting for her call.

* * * * *

After taking a break to perform at a dinner theater Saturday night (just another one of my retirement activities) I began my trek by visiting the newly-organized Cartaret County ARC which was enjoying its first Field Day in Newport.

An early morning visit caught Sterling, N4WKG, trying to make some contacts. They had a fine location in the town park, but not too many visitors at one a.m. when I stopped by. We did check out their packet setup as I was now running mobile packet and logged in with Stirling for a contact.

* * * * *

I next went looking for the Greenville group, which I thought was set up at a shopping mall, but after driving through several deserted parking lots, and trying several repeaters, I decided to catch a short nap instead.

* * * * *

Finally managed to get to the Kinston ARC pavillion about six a.m. and put on my demonstration of portable packet. Jean, KB4OHX, club secretary had a fine display of ARRL materials. Evidences of a big evening barbecue were being cleared up as I left that group for home and some rest.

* * * * *

Chris, KC4YLE, reports in the Triangle East ARA FEEDLINE that his club had a successful experience, setting up a two station site, plus novice, and made steady contacts, mostly on 80 and 20 meters. A nonchalant mention of cranes suggested there must be a contact in the club that can really provide help with beams and antennas!

* * * * *

The High Point ARC managed to have a good field day, located at the site of Yesteryear in Motion, with a runway and much room for expansion. Although the members were also getting ready for their August Hamfest, they managed to increase their totals from the previous year.

CLUB NEWS

President Dave, WB4IUY, of TEARA always sends a newsy message in his column. The nicest one is about Jimmy, K4CMH, who recently set up a station for a disabled ham whose family had boxed up his equipment, but couldn't set it up. "Hams helping others, that's what ham radio is really about," says Dave.

The TEARA group is planning a special event for December 23 and 24, operating on the HF bands to commemorate the 70th anniversary of the birth of the late Ava Gardner. That is one of the most unusual celebrations I ever heard of! Is it a case of "any excuse for a party?" Perhaps they should also operate on two meters, and give directions to those who might be close and want to join the fun!

* * * * *

For those with computers and a modem, Bill Ward, KD4ISF, is operating a BBS open 24 hours a day and loaded with ham software. Set the modem at 2400 N-8-1 and call (919) 553-0600.

* * * * *

The Eastern NC Repeater Association held its summer picnic at Joanne (WD4JYR) Taylor's house in Cape Carteret in July. One of the sad notes to the membership was the silent key notice of Art Holm, K3JKQ, a great supporter of both ENC and the New Bern ARC.

The group did manage to celebrate the return of 146.685 to the air with a "big thank you" to Murray, WA4DAN, and Bernie, WA4MOK, who made several trips up the tower to reinstall the equipment. Danny, KM4OX, repaired the rig and made several modifications which enhanced its abilities.

Six Years Old and on The Ten & Forty Meter Bands!

-by Gene Fegely, K3RJG
NC Journal Correspondent

There is no excuse for a reporter missing a deadline, so all I can say to those who looked last issue and did not find.. I apologize. Summer came and went too fast for me.

This is the article that should have been with the pictures on the inside front cover about Allison Peacock, KD4NNH. Since that time she has upgraded to technician at the Cary Swapfest on July 18th and has reached her seventh birthday, according to Joe, WB4SLF.

That's what Allison Peacock, KD4NNH, told me at the Kinston hamfest in May, just after posing for a picture with ARRL Roanoke Division Director John Kanode, N4MM.

Allison was bouncing around a platform, reminding me of all the times my own grandchildren have done the same, but never did I have to chase them for such questions as I was asking her.

She proudly displayed her electronic knowlege by identifying the antenna, coil and ground symbols on the ARRL banner hanging on the wall. She said it took her three tries to pass the written, but "did the code right away."

I've had two contacts in the month since I just got my call," she told me. She likes CW, and listens more than she transmits.

Allison is a fourth generation amateur, following her dad Kelvin, KO4MX, her grandfather George, W4WYV, and her greatgrandfather Jim, W4LWU. (I hope I got them straight.) She grew up listening to the sounds of ham radio, and her grandpa said she learned CW along with her ABC's.

Her vocabulary is outstanding for the new novice who is finishing the first grade at Wayne Country Day School, although she couldn't think of the right word when I asked what kind of antenna she used.

"Just straight...not horizontal," she struggled to think. When I suggested "vertical?" she smiled and said "That's it!" and went on bouncing around the platform.

She was very proud of a new cap that had her call letters on it, but volunteered much more information on another award she had recently received -- the Presidential Fitness Award at her school.

It was obvious as she bounced away, leading her three amateur forebears a merry chase, this young lady is an energetic addition to our amateur ranks.

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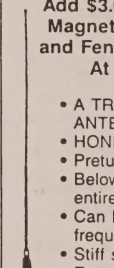

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A Nifty 12-Volt Charger For the Alinco DJ-580T

-by Gil Frey, K4JST
EC Charles City County, VA.

I recently purchased a new ALINCO DJ-580T dual band HT. Though I have found little that I do not like about this rig, I was rather perturbed when I discovered that they have made no provisions for recharging the battery from a 12-volt source. The cigarette lighter adapter cord (EDC-36) simply bypasses the battery pack and runs the HT without any provision for recharging. I guess ALINCO feels that hams will never go camping and never fail to remember to bring the rig in from the car when the battery is low.

The wall charger/charge stand that comes with the rig (EDC-24) is labeled as 14.5 volts and 8.7 volts DC @ 70 mA. The base is keyed to supply the correct voltage to the various battery packs for the rig. My first plan was to use a simple three terminal regulator like a 5809 with proper bypassing and derive the 8.7 volts that way, but ALINCO has made the project even easier. The base of the EDC-24 charge stand is removable and the circuit board is accessible. The 8.7 volts is obtained by a simple resistance voltage divider. The only voltage the wall unit supplies is about 14 volts DC which happens to be the same as an automobile charging system.

I cut the line from the wall unit and placed a polarized MOLEX Series 1545 male/female connector (Radio Shack 274-222) in line. This is the same connector that ARRL has recommended for ARES use for all VHF/UHF popwer cords (ARRL Field Forum Vol 7 No 3, July 1991).

The only precaution is to note the polarity. The outer shield of the EDC-24 is positive and the inner conductor is negative! The League recommendation is to use female pins in the male plug for the power source end and male pins in the female socket for the rig end with the Plus terminal on the arrow head side of the polarized plug.

I then wired a cigarette lighter plug and another male MOLEX for use in the automobile. Now I can leave the wall unit in the house and the lighter plug in the car and simply transfer the base as I need.

Like most projects, this one continued to grow after I thought I was fiished. ALINCO recommends not using the rig while it is in the charge stand. Since I would often like to charge and use at the same time, I simply added another cord from the charger base and placed a mini coaxial plug (3.5 mm OD, 1.3 mm ID - (Radio Shack 274-1571) on the end. Now I can plug this into the side of the rig (isolating the battery) and continue to operate.

Now I was sure I was finished. I plugged everything in and checked the voltages and polarity before first placing the DJ-580T into the charge stand. Everything worked fine until I turned off the ignition key in the car. Of course the HT went dead since the lighter socket is switched, but I then noticed my car radio was still playing. The HT battery was seeing all the switched circuits and now powering them all!!!!

Possible solutions include rewiring the cigarette lighter socket so that it is no longer switched or running the coaxial plug from another unswitched source. A simple blocking diode would work, but the 1 volt drop would lower the charging voltage from 14 to 13 volts. Since my amp under the seat is on an unswitched circuit, I elected to pull the DC voltage off at that point.

Now, I think the project is complete.

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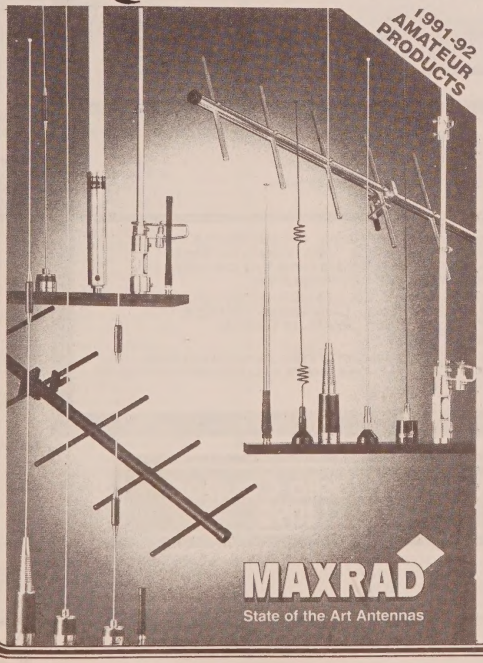

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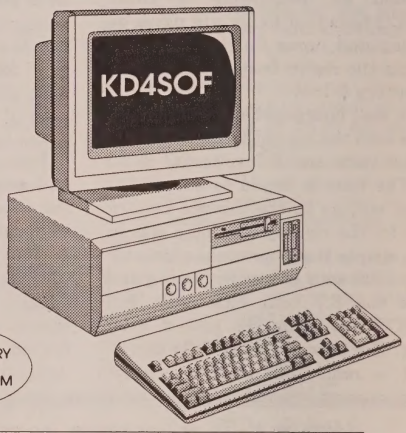
MEMO

EDI Eastern Data Inc

TO: Timothy
FROM Jim
DATE: 10/01/92
SUBJECT: Special Computer Prices for Hams

I want to offer special computer pricing for all HAMs in the area. Please come up with special pricing for 386s, 486s and notebook computers. Note!! HAM's are used to Hamfest prices so our margins will have to be small.

Do not sacrifice quality though. We don't want to become a computer junk dealer.



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486DX 33MHz
4MB Ram
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Packet Software

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386SX 25MHz
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Super VGA Monitor
DOS 6.0
Packet Software

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386DX 40MHz
4MB Ram
250 MB Hard Disk Space
1.2 and 1.44 Floppy
Desktop Case
Super VGA Monitor
DOS 6.0
Packet Software

$1449.00

MEMO

EDI Eastern Data Inc

TO: Jim
FROM Timothy
DATE: 10/05/92
SUBJECT: Special Computer Prices for Hams

Hope you know what you are doing. Nobody else cuts thier prices and still maintains quality. I don't know what Hamfest prices are but if anyone beats these prices they are using sub-standard parts. What you think of these prices.

All systems include DR DOS 6.0, a 130MB hard drive doubled to 250MB, 4MB of RAM, 1.2MB, 1.44MB floppy, and Super VGA monitor. 486/33...at $1875.00 386/40...at $1449.00 386/25 notebook...$1399.00

I think we must limit the purchases at these prices to Ham Radio Operators only!! I suggest that we require a coupon or something to identify the HAMs.

EDI Eastern Data Inc

904 Old Winston Rd.
Kernersville, NC 27284
919-996-7097

Amateur Radio Coupon # 05134092

THE SERA OFFICIAL REPEATER INDEX

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Repeater owners are reminded to contact their local Frequency Coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements.

SERA SIMPLEX FREQUENCIES

6 meters:	52.49	52.51	52.525				
2 meters:	146.40*	146.415*	146.43*	146.445*	146.46*	146.475	146.49*
	146.505*	146.52	146.535	146.55	146.565	146.58	146.595
	147.51	147.525	147.54	147.555	147.57	147.585	
220 MHz:	223.44	223.46	223.48	223.50	223.52	223.54	223.56
	223.60	223.62	223.64	223.66	223.68	223.70	223.72
	223.74	223.76	223.78	223.80	223.82	223.84	223.86
	223.88	223.90					

* Permitted unless operation would cause interference to repeater inputs

10 Meter:	29.60						
440 MHz:	445.825	445.85	445.875	445.90	445.925	445.95	445.975
(not all listed)	446.00	446.025	446.05	446.075	446.10	446.125	446.15
SERA Suggested Digital Simplex:			145.01	145.03	145.05	145.07	145.09
	145.61	145.63	145.65	145.67	145.69	223.40	223.42
	223.58	223.66	223.70	223.72	223.74	223.76	223.78

NOTE: Digital operators are reminded to check with local Digital Societies for which digital channels are available for various digital usage, in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

DISTRIBUTION OF REPEATERS BY FREQUENCY

This by-frequency index contains repeaters in the States of Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee, Virginia and West Virginia.

PLEASE NOTE: The letters column between the frequency and the city indicates suffixes of the repeater callsign.

This index is correct as of October 25, 1992.

10 METERS

9.60 /9.60	CTF	NEWPORT NEWS	VA
9.52 /9.62	WRE	POPLARVILLE	MS
	XE	WILKESBORO	NC
	ZJM	MEMPHIS	TN
	OTX	BECKLEY/BOLT	WV
	L	BERKELEY SPRINGS	WV
9.54 /9.64	NEQ	ATL/MARIETTA	GA
	IDA	WILSON	NC
	NKM	GREENEVILLE	TN
	W	JACKSON	TN
	BZU	NASHVILLE	TN
	BON	ROANOKE/POOR MT.	VA
	COV	CHARLESTON	WV
9.56 /9.66	BEC	BALD CREEK	NC
	GRW	NEWPORT	NC
	YGM	UNION CITY	TN
9.58 /9.68	MM	ALBANY	GA
	BZJ	DALTON	GA
	IUY	WILSON	NC
	DRL	MEM/FISHERVILLE	TN
	E	ONEIDA PK/BLFLD	VA
	DN	STERLING	VA
8.25 /EACON	MW	MEMPHIS	TN
9.60 /T.BS	ABW	RKY RDG/WALLACE	SC

6 METERS

3.025/2.025	LBR	LOUISVILLE	KY
2.58 /2.48	DCS	CENTERVILLE	VA
2.525/2.525	AZA	THOMASVILLE	NC
2.62 /2.82	KHP	HERNDON	VA
2.01 /3.01	DWU	ELLISVILLE	MS
	GRW	NEWPORT	NC
	LRD	CHATTANOOGA	TN
	NKM	GREENEVILLE	TN
	KOG	MEMPHIS	TN
	ZR	LEXNGTN/ROCK MT.	VA
2.03 /3.03	EDU	AUGUSTA	GA
	BEC	BALD CREEK	NC
	PEN	RALEIGH	NC
2.05 /3.05	UPC	PINE LOG MT	GA
	PXV	GRANDFATHER MTN	NC
	DKL	BOLT/BOLT MT	WV
2.07 /3.07	AEG	CARTERSVILLE	GA
	IUY	WILSON	NC
	MIC	GUM SPRINGS	VA
2.09 /3.09	NEQ	ATL/MARIETTA	GA
	PLA	MARS HILL	NC
	BON	ROANOKE/POOR MT.	VA
2.11 /3.11	GYN	OAK RIDGE	TN
2.13 /3.13	BZJ	DALTON	GA
	CCF	ALEXANDRIA	VA
	QT	DANVILLE(DCC)	VA
2.15 /3.15	IOB	KNXVL/ENG MT	TN
	DBB	BEDFORD/THAX MT	VA
2.19 /3.19	UCE	COOKEVILLE	TN
2.21 /3.21	QLX	SAURATOWN MT	NC
	WWB	GATE CITY	VA
2.23 /3.23	ZKL	GUTHRIE	KY
	ZKL	GUTHRIE (TN/KY)	TN
	LP	MORRISTOWN	TN
2.25 /3.25	RZF	RALEIGH/BUTNER	NC
	YON	KNOXVILLE	TN
	DBB	ROANOKE	VA
2.27 /3.27	DRL	MEM/FISHERVILLE	TN
2.29 /3.29	PN	PINE LOG MT.	GA
2.35 /3.35	GBI	KNOXVILLE	TN
2.41 /3.41	YXY	PICKENS	SC
2.43 /3.43	ZIZ	JULIETTE	GA
	FAX	RICHMOND	VA
2.45 /3.45	KWP	GALLATIN	TN
2.55 /3.55	JEH	CONYERS	GA
	RDK	MEMPHIS	TN
2.59 /3.59	YTU	ROCKY MOUNT	NC
2.03 /3.83	JKA	#ST ALBAN/COAL M	WV
2.87 /3.87	WRS	STATESVILLE	NC
2.81 /3.81	KNE	STANTON	KY
2.89 /3.89	Y	VALDOSTA	GA
0.07 /EACON	MW	MEMPHIS	TN
2.525/5.21	ARK	NASHVILLE	TN
2.05 /4.06	MB	ARLINGTON	VA

2 METERS

4.990/9.820	L	BERKELEY SPRINGS	WV
4.81 /2.525	ARK	NASHVILLE	TN
4.51 /5.11	TUN	AUGUSTA	GA
	MXC	COCHRAN	GA
	UOX	DOUGLASVILLE	GA
	HYE	MENDENHALL	MS
	TOH	COLUMBIA	NC
	RXG	SAURATOWN MT	NC
	JMT	CONWAY	SC
	Y	COOKEVILLE	TN
	SBX	GRAY	TN
	BOX	JACKSON	TN
	IJL	KNOXVILLE	TN
	ARK	NASHVLE/FAIRVIEW	TN
	YPE	RICHMOND	VA
	MCR	SALT ROCK	WV
4.53 /5.13	JF	ADEL	GA
	SEX	NEWNAN	GA
	VF	MOREHEAD	KY
	YNF	AHOSKIE	NC
	CS	GREENWOOD/HODGE	SC
	KIV	SUMTER	SC
	CMY	CHATTANOOGA	TN
	SSB	GALLATIN	TN
	OAK	LAFOLLETTE	TN
	KRM	#SHELBYVILLE	TN
	VL	GALAX/LKOUT MT	VA
	YET	HARRISONBURG	VA
	FHE	BUCKHANNON	WV
4.55 /5.15	MM	ALBANY	GA
	AQL	ATLANTA	GA
	LI	MILLEDGEVILLE	GA
	TLK	MONTICELLO	KY
	IWZ	PIKEVILLE	KY
	LFP	PICAYUNE	MS
	CVM	RANDLEMAN/GBO	NC
	OXE	INMAN	SC
	LWY	SUMMERTON	SC
	RJC	DECATUR-PONE KB	TN
	JXI	MEMPHIS	TN
	MJF	ALEXANDRIA	VA
	ARO	GREENBAY	VA
	FSE	MARTINSBURG	WV
4.57 /5.17	JBF	COOLIDGE	GA
	DIW	JONESBORO	GA
	PRH	HALLS GAP	KY
	ZQB	NEWTON/ANDSN MT	NC
	RVS	OXFORD	NC
	TUN	AIKEN	SC
	GBI	KNOXVILLE	TN
	BRN	MEMPHIS	TN
	LHO	MURFREESBORO	TN
	ZN	LORTON	VA
	JOQ	LORTON	VA
	ZUA	NORFOLK	VA
	FRV	BECKLEY/BOLT	WV
4.59 /5.19	ULJ	PINE MT/HAMILTON	GA
	UVT	BOONEVILLE	MS
	WGA	JACKSONVILLE	NC
	BVW	MT MITCHELL	NC
	OTT	CARTHAGE	TN
	XX	JASPER	TN
	FAX	RICHMOND	VA
	YJU	RICHWOOD	WV
	JGY	WHEELING	WV
4.61 /5.21	KEC	EASTMAN	GA
	PSZ	FAYETTEVILLE	GA
	U	DEANE	KY
	BQP	ERLANGER	KY
	WRE	POPLARVILLE	MS
	TQD	TRENTON	NC
	NEP	GASTON	SC
	92	KNOXVILLE	TN
	ARK	NASHVILLE	TN
	MS	KILMARNOCK	VA
	QCJ	ROANOKE/POOR MT.	VA
	FEQ	HUNTINGTON	WV
4.63 /5.23	JEH	CONYERS	GA
	UJ	DALTON	GA
	COL	WAYNESBORO	GA
	PRH	LOUISVILLE	KY
	PRH	OXFORD/LOUISVLLE	KY
	VBH	BEULAVILLE	NC
	BFB	CHARLOTTE	NC
	RA	LAVERNE	TN
	KIE	MAYNARDVILLE	TN
	DBB	BEDFD/APL ORCH	VA
	MT	NEWPORT NEWS	VA
4.65 /5.25	BLQ	CLAYTON	GA
	GL	SCOTTSVILLE	KY
	GGD	GREENSBORO	NC
	UIV	CHARLESTON	SC
	BRV	ERWIN	TN
	DRL	FISHERVILLE	TN
	MMI	RAMER	TN
	CZJ	BEAVERDAM	VA
4.67 /5.27	CGV	SANDERSVILLE	GA
	PN	WALESKA/PNLGMT	GA
	NBG	WALLS	MS
	DZJ	WIGGINS	MS
	KNI	HENDSVL/BERWLW M	NC
	AR	MIDWAY	NC
	BQF	RALEIGH	NC
	GYM	COLUMBIA	SC
	WZK	HENDERSONVILLE	TN
	CJX	SEV/SHIELDS MT	TN
	SKE	MARION	VA
	J	STAFFORD	VA
	FMD	CRAIGSVILLE	WV
4.69 /5.29	DRQ	ATLANTA	GA
	TDL	AUGUSTA	GA
	PL	LAWRENCEBURG	KY
	PRH	STANTON	KY
	L	VICKSBURG	MS
	BFB	CHARLOTTE	NC
	GGD	GREENSBORO	NC
	VCM	CHATTANOOGA	TN
	SQC	JOHNSON CITY	TN
	FFM	RIDGETOP	TN
	YLX	CHARLOTTESVILLE	VA
	NDH	CHESAPEAKE	VA
	YLX	TROY	VA
	ZXP	GLENVILLE	WV
4.71 /5.31	CEK	COLUMBUS	GA
	JDR	STOCKBRIDGE	GA
	GOJ	CHATAWA	MS
	WPM	BAKERSVILLE	NC
	QAA	#GREENSBORO	NC
	ICX	LEXINGTON	NC
	GY	BEAUFORT	SC
	PF	ROCK HILL	SC
	PNI	ATHENS	TN
	SC	JACKSON	TN
	ECD	LAFAYETTE	TN
	FXP	HERNDON	VA
	G	BECKLEY/LAYLAND	WV
4.73 /5.33	OGE	JONESBORO	GA
	YUU	LEXINGTON	KY
	CYR	GULFPORT	MS
	J	MT. AIRY	NC
	DFP	BAMBERG	SC
	DBJ	CUMBERLAND CITY	TN
	TEM	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	F	CHESAPEAKE	VA
	QQI	FARMVILLE	VA
	QC	PARSONS	WV
	M	WILLIAMSON	WV
4.75 /5.35	DOC	ATLANTA	GA
	DOC	ATLANTA	GA
	FGQ	ROSSVILLE	GA
	RBL	#LA GRANGE	KY
	WMH	OLIVE BRANCH	MS
	AOS	CHARLOTTE	NC
	JPQ	GREENVILLE	NC
	Y	HUMBOLDT	TN
	JYD	NOLENSVILLE	TN
	AZJ	BLAND	VA
	AQD	FALLS CHURCH	VA
4.77 /5.37	UA	AUGUSTA	GA
	IZF	JASPER	GA
	NNX	HATTIESBURG	MS
	PYQ	SOUTHAVEN	MS
	AGN	N. WILKESBORO	NC
	MII	OXFORD	NC
	PPD	SHALLOTTE	NC
	GRC	KNOXVILLE	TN
	OG	SMITHVILLE	TN
	UKJ	FOREST	VA
	TOG	GLOUCESTER	VA
	VS	BECKLEY/EOC	WV
4.79 /5.39	HYB	GRIFFIN	GA
	KDZ	FRANKFORT	KY
	NJ	MONROE/UCARS	NC
	NXU	BOWMAN	SC
	AM	CHATTANOOGA	TN
	GZX	EASTVIEW	TN
	EPC	GREENEVILLE	TN
	DOR	LEBANON	TN
	ARO	ROANOKE/POOR MTN	VA
	EOM	WESTON	WV
4.81 /5.41	PME	ATLANTA/BELL	GA
	PXX	BRNSWK/JEKYLL IS	GA
	NON	COVINGTON	KY
	DC	GLASGOW	KY
	IF	D'IBERVILLE	MS
	XO	HIGH POINT	NC
	KNU	WILLIAMSTON	NC
	VIH	DOVER	TN
	NKM	GREENEVILLE	TN
	VIP	MEMPHIS	TN
	SSB	MONTEAGLE	TN
	ZMS	BEDFD-APL ORCH	VA
	QIJ	WILLIAMSBURG	VA
	FHE	BUCKHANNON	WV
	HYX	LIBERTY	WV
4.83 /5.43	OLL	MACON	GA

LCI MARIETTA ..... GA
LVU COLUMBUS ..... MS
ITL SPARTA/GREEN MT ... NC
LB COLUMBIA ..... SC
YTU BROWNSVILLE ..... TN
UCE COOKEVILLE ..... TN
IUA KNOXVILLE ..... TN
SQT RICHMOND ..... VA
L CHARLESTON ..... WV
LG MORGANTOWN ..... WV
4.85 /5.45 BOC DECATUR ..... GA
TX LEXINGTON ..... KY
PLY CROWDERS MT/GAST NC
WTX DURHAM ..... NC
GRW NEWPORT ..... NC
DV N. AUGUSTA ..... SC
SIR BENTON ..... TN
KOG COVINGTON ..... TN
KO HOHENWALD ..... TN
LP MORRISTOWN ..... TN
E SPRING HILL ..... TN
HQ SALUDA ..... VA
LGY GRANTSVILLE ..... WV
SXZ WELCH ..... WV
4.87 /5.47 UV HINESVILLE ..... GA
CLA SWEAT MT/MARIETT . GA
SRT BARDSTOWN ..... KY
WMM MAYSVILLE ..... KY
OIX KINSTON ..... NC
NC SAURATOWN MT ..... NC
RG GAFFNEY ..... SC
DDK MYRTLE BEACH ..... SC
GBI KNOXVILLE ..... TN
OMO MOUNTAIN CITY ..... TN
ARK NASHVILLE ..... TN
EFJ ARLINGTON ..... VA
ZCM CLARKSVILLE ..... VA
FG RICHWOOD ..... WV
4.89 /5.49 DV AUGUSTA ..... GA
RWS CORDELE ..... GA
OPL MARIETTA ..... GA
PXK CLARKSON ..... KY
KVK HENDERSON ..... KY
CWF NICHOLASVILLE ..... KY
VGK FULTON ..... MS
ZCZ FRANKLIN ..... NC
DZ GIBSONVILLE ..... NC
BWC RALEIGH ..... NC
ABW RKY RDG/WALLACE.. SC
LHO MCMINVL/SHT MT ..... TN
KOG MEMPHIS ..... TN
MOP BLUEFIELD ..... VA
OHX NEWPORT NEWS ..... VA
MOP BLUEFIELD ..... WV
G PARKERSBURG ..... WV
4.65 /5.865 YYD #ELLIJAY-BUCK MT .... GA
6.265/5.865 KP TRENTON ..... TN
6.01 /6.61 CVY COLUMBUS ..... GA
JEH CONYERS ..... GA
BDP WARNER ROBINS ..... GA
KWV CORBIN ..... KY
KKG LAUREL ..... MS
SNI GREENSBORO ..... NC
JMS NEW BERN ..... NC
NYK GRNVLE/CSRS HD .... SC
CMY CHATTANOOGA ..... TN
PCD NASHVILLE ..... TN
LSP ABINGDN/BRMLY MT . VA
GSP CHESAPEAKE ..... VA
WWQ LYNCHBURG ..... VA
MZI GASSAWAY ..... WV
6.025/6.625 UPE ATL/UNION CITY ..... GA
UJT ELBERTON ..... GA
JWP VIDALIA ..... GA
WO PORT GIBSON ..... MS
RR LAURINBURG ..... NC
IP CHESTER ..... SC
GBI KNOXVILLE ..... TN
ZQX MARTIN ..... TN
AVW NEW MARKET ..... VA
G FLAT TOP/WINTRPL... WV
6.035/6.635 YCU BETSY LAYNE ..... KY
6.04 /6.64 QGR ATLANTA ..... GA
LWT AUGUSTA ..... GA
FWD CARROLLTON ..... GA
CEX WAYCROSS ..... GA
UXJ CAMPBELLSVILLE ..... KY
NIL JACKSON ..... MS
NAY MOOREVILLE ..... MS
YAO HENDERSONVILLE ..... NC
DW RALEIGH ..... NC
NC WINSTON-SALEM ..... NC
KIV SUMTER ..... SC
QYI CRAB ORCHARD ..... TN
NNE MEMPHIS ..... TN
NTM NASHVILLE W ..... TN
WIC FINCASTLE ..... VA
QLF MARION ..... VA
QEY RICHMOND ..... VA
EZR HUNTINGTON/CHAS.. WV
6.055/6.655 NFP ATLANTA/MARIETTA . GA
MNI BOWLING GREEN ..... KY
DZC DANVILLE ..... KY
CEB CONCORD/KANNAP.. NC
VTX ELIZABETH CITY ..... NC
RYR ALCOA ..... TN
OKV BROWNSVILLE ..... TN

AM CHATT/SIGNAL MT ..... TN
ME COLLINWOOD TN ..... TN
PDP ALEXANDRIA ..... VA
ISI ALTAVISTA ..... VA
BUC UPPER TRACT ..... WV
6.06 /6.66 BKM MACON ..... GA
6.07 /6.67 NSO GAINESVILLE ..... GA
EQL JESUP ..... GA
VHF HAZARD ..... KY
KBL PRINCETON ..... KY
CAX NEW ALBANY ..... MS
YGD BURLINGTON ..... NC
BKU CHERRY MT ..... NC
RPC YAUPON BEACH ..... NC
U ST. MATTHEWS ..... SC
DKI BRISTOL ..... TN
BGW LAFOLLETTE/WMT .... TN
NTM NASHVILLE W ..... TN
HZS BARREN SPRINGS ..... VA
ZR LEXINGTON ..... VA
NTG WILLIAMSBURG ..... VA
JNU RAVENSWOOD ..... WV
6.085/6.685 IWL ADAIRSVILLE ..... GA
UWN FAYETTEVILLE ..... GA
KQ OWENSBORO ..... KY
KHB NATCHEZ ..... MS
NBR GRIFTON ..... NC
QP STATESVILLE ..... NC
CO NEWBERRY ..... SC
PIO WALLAND ..... TN
HTA VIENNA ..... VA
FMD CLARKSBURG ..... WV
6.10 /6.70 MM ALBANY ..... GA
OOM JASPER ..... GA
DOJ MILLEDGEVILLE ..... GA
TO SAVANNAH ..... GA
JO GRAYSON ..... KY
BDC LOUISVILLE ..... KY
YGM UNION CITY (TN) ..... KY
GY BAY ST. LOUIS ..... MS
LVA GRENADA ..... MS
DEJ MERIDIAN ..... MS
CID DUNN ..... NC
PAX LANCASTER ..... SC
KUD ANDERSON CTY ..... TN
UOT MANCHESTER ..... TN
UFT MEMPHIS ..... TN
MMI RAMER ..... TN
YGM UNION CITY ..... TN
AU DANVILLE/WHT OAK.. VA
D NORFOLK ..... VA
LQC PENNINGTON GAP .... VA
XD STAUNTON ..... VA
JNU RAVENSWOOD ..... WV
6.115/6.715 NVG LAVONIA ..... GA
ABZ RINGGOLD ..... GA
B BEREA ..... KY
TQY GREENWOOD ..... MS
GGN MILLERS CREEK ..... NC
KDC SPRING LAKE ..... NC
NEP COLUMBIA ..... SC
JUB SALTILLO ..... TN
I BLACKSBURG ..... VA
TXE STERLING ..... VA
GL SHERRARD ..... WV
6.13 /6.73 MM ALBANY ..... GA
NC ATLANTA/SWEAT MT GA
TVE BRUNSWICK ..... GA
STY #DAWSON SPRINGS . KY
SWF DORTON ..... KY
AO LEXINGTON ..... KY
ZXK VERSAILLES ..... KY
IF BILOXI ..... MS
VZF STARKVILLE ..... MS
BWC RALEIGH ..... NC
EXU SALISBURY ..... NC
VNK WILMINGTON ..... NC
FKJ N. AUGUSTA ..... SC
BJY SIMPSONVILLE ..... SC
IOB KNXVL/ENG MT ..... TN
DAZ MEMPHIS ..... TN
WA WATERTOWN ..... TN
DHO HAMPTON ..... VA
AVZ LEWISBURG ..... WV
6.145/6.745 BKF ATHENS ..... GA
TTC GREENVILLE ..... KY
N DILLON/PEE DEE ..... SC
RCK DYERSBURG ..... TN
UP OAK RIDGE ..... TN
DY ROANOKE/POOR MT . VA
L BERKELEY SPRINGS WV
6.16 /6.76 BOC STONE MT ..... GA
ELN VALDOSTA ..... GA
NSY #FERN CREEK ..... KY
KJQ LEXINGTON ..... KY
CUW PADUCAH ..... KY
AXQ JACKSON ..... MS
BVW ASHVL/MT PISGAH .... NC
GGD GREENSBORO ..... NC
S SWANSBORO ..... NC
THL WILSON ..... NC
ILT CHARLESTON ..... SC
LSP BRISTOL/HLSTN MT ... TN
PQP NASHVILLE ..... TN
TFZ CHARLOTTESVILLE ... VA
ZIN WILLIAMSBURG ..... VA
VA HUNTINGTON ..... WV

CUL MORGANTOWN ..... WV
ZQ WHEELING ..... WV
6.175/6.775 NFP MARIETTA ..... GA
NA WRENS ..... GA
PPM MIDDLESBORO ..... KY
TKI VANCEBURG ..... KY
JYH SOUTHPORT ..... NC
GYM COLUMBIA ..... SC
OYG PULASKI/MUSIC MT .. TN
MUQ WYTHEVILLE ..... VA
BWZ ELKINS ..... WV
6.19 /6.79 DMK FOLKSTON ..... GA
KOW MOULTRIE ..... GA
SEX NEWNAN ..... GA
VYX SWAINSBORO ..... GA
YWH HIGHLAND HEIGHTS KY
U PAINTSVILLE ..... KY
TYP BILOXI ..... MS
S WEST POINT ..... MS
LZD CLINTON ..... NC
QDK SAURATOWN MT ..... NC
FVV ANDERSON/SAS MT .. SC
USN CHARLESTON ..... SC
AM CHATTANOOGA ..... TN
ABR JOHNSON CITY ..... TN
SQE NASHVILLE ..... TN
SD CHESAPEAKE ..... VA
LBL FAIRFAX ..... VA
OQC OAK HILL ..... WV
6.205/6.805 IEZ JULIETTE ..... GA
NNE GUTHRIE ..... KY
EWG FAYETTEVILLE ..... NC
IZF GASTONIA ..... NC
O ORANGEBURG ..... SC
AA CROSSVILLE ..... TN
NNE GUTHRIE (TN/KY) .... TN
HTI COVINGTON ..... VA
7.405/6.805 AQS CALHOUN/JASPER..... GA
HCY MAGGIE VALLEY ..... NC
6.22 /6.82 MM ALBANY ..... GA
DOC ATLANTA ..... GA
HVK KIBBEE ..... GA
JSN #MUHLENBERG CTY . KY
MBA GREENVILLE ..... MS
MZ MAGEE ..... MS
PZA ROARING GAP ..... NC
GMP WILMINGTON ..... NC
NYK GRNVLE/PARIS MT .... SC
E GREENBRIER ..... TN
OAH LAKE CITY ..... TN
BS MEMPHIS ..... TN
SFF WINCHESTER ..... TN
WWB GATE CITY ..... VA
RKC WINCHESTER ..... VA
IFS CHARLESTON ..... WV
7.42 /6.82 BS MEMPHIS ..... TN
6.235/6.835 GSS THOMSON ..... GA
ZOX #SALVISA ..... KY
QCO ASHEVILLE ..... NC
UOR NAGS HEAD/BODIE ... NC
USH WADESBORO ..... NC
UDD CHARLESTON ..... SC
IDG WATERTOWN ..... TN
DCX GRUNDY/BIG A MT .... VA
UTN RUSTBURG/LONG MT VA
EUN GLENVILLE ..... WV
7.435/6.835 KHQ DAHLONEGA ..... GA
NNR HIGH POINT ..... NC
6.25 /6.85 DVJ DALLAS ..... GA
QWI WARNER ROBINS ..... GA
CLL BOWLING GREEN ..... KY
IV PIKEVILLE ..... KY
VNO BAY ST. LOUIS ..... MS
JMD BUDE ..... MS
BWW CLEVELAND ..... MS
MFK IUKA ..... MS
LWC KOSCIUSKO ..... MS
CYP GOLDSBORO ..... NC
MDW HICKORY/BRT. MT .... NC
YEC REIDSVILLE ..... NC
ULH FLORENCE ..... SC
KJH GTLBG/COVE MTN .... TN
KOG MEMPHIS ..... TN
TK NASHVILLE ..... TN
POX PORTSMOUTH ..... VA
ZBP STAUNTON ..... VA
WDK BECKLEY/FLAT TOP .. WV
L BUCKHANNON ..... WV
6.265/6.865 DKY MADISON ..... GA
YL RICHMOND ..... KY
YF BIG KNOB/GREY CT .. SC
G FAYETTEVILLE ..... TN
7.465/6.865 DWU ELLISVILLE ..... MS
FOY MURPHY/STALCUP .... NC
ZRS WAXHAW ..... NC
E MOUNTAIN LAKE ..... VA
6.28 /6.88 CVY COLUMBUS ..... GA
IUD MARIETTA ..... GA
FGH QUITMAN ..... GA
HBB SAVANNAH ..... GA
OAU LOUISVILLE ..... KY
U MAYTOWN ..... KY
AI SOMERSET ..... KY
QNE JACKSON ..... MS
AAY PASCAGOULA ..... MS
TQD RALEIGH ..... NC
NYR SHELBY ..... NC

WIF ORANGEBURG ..... SC
CYZ BRISTOL ..... TN
ETE MEMPHIS ..... TN
TOA NASHVILLE ..... TN
SKH OAK RIDGE ..... TN
CYZ BRISTOL ..... VA
ZBE RICHMOND ..... VA
PDL SALEM ..... VA
CQV SO. CHARLESTON ..... WV
6.295/6.895 RBS HARTWELL ..... GA
SM MACON ..... GA
JBV INDEPENDENCE ..... KY
YFF MADISON ..... NC
ABW PAGELAND/HIPOINT . SC
RAG HARRISONBURG ..... VA
KXV VIRGINIA BEACH ..... VA
7.495/6.895 LUQ #DALLAS ..... GA
6.30 /6.90 WVH IRVINGTON ..... KY
SP #FAIRMONT ..... WV
6.31 /6.91 HIG CLEVELAND/LONG..... GA
HYB GRIFFIN ..... GA
GFY MOREHEAD ..... KY
VV HERNANDO ..... MS
OCM NATCHEZ ..... MS
ZGQ AHOSKIE ..... NC
MOE ASHVL/SPIVEY MT..... NC
YZF FAYVLLE/CFARS ..... NC
IZM LEXINGTON ..... NC
BWZ WHITE HALL ..... SC
GZX CLEVELAND ..... TN
DQU SAVANNAH ..... TN
YXA SHORT MTN ..... TN
AXH CHASE CITY ..... VA
TUE MT.LAKE/BALD KNB... VA
XG TYSONS CORNER ..... VA
FQN MCMECHEN ..... WV
6.325/6.925 ASI COVINGTON ..... GA
PJR JESUP ..... GA
BEJ RADCLIFF ..... KY
VOJ CORINTH ..... MS
OBW SULPHUR SPRINGS . TN
TFZ CHARLOTTESVILLE ... VA
QT DANVILLE(DCC) ..... VA
OGY PRINCETON/PIPEST . WV
6.34 /6.94 N AUGUSTA ..... GA
VO ROME/MT. ALTO ..... GA
RVB WRIGHTSVILLE ..... GA
SN ASHLAND ..... KY
WZH GLASGOW ..... KY
AUZ #LEXINGTON ..... KY
NTB MURRAY ..... KY
DWX AMORY ..... MS
SBK JACKSON ..... MS
JMD MCCOMB ..... MS
DLH BURGAW ..... NC
BFB CHARLOTTE ..... NC
BFT DURHAM ..... NC
VM MANTEO/WANCHESE NC
NZ MT AIRY ..... NC
PBC CHARLESTON ..... SC
IQQ GREENVILLE ..... SC
GBI KNOXVILLE ..... TN
BSM MEMPHIS ..... TN
PCD NASHVILLE ..... TN
L ABINGDON ..... VA
UMI HAMPTON ..... VA
ZA RICHMOND ..... VA
AP ROANOKE ..... VA
VKB SUMMERSVILLE ..... WV
CWO WEIRTON ..... WV
6.355/6.955 KIN PERRY ..... GA
PRE ROCKY TOP MT ..... GA
OCP RABBIT HASH ..... KY
OB ISOLA ..... MS
PTB ROCKINGHAM ..... NC
E ONEIDA PEAK/BLF ..... VA
6.37 /6.97 CLJ ATLANTA ..... GA
HBB SAVANNAH ..... GA
DPP HENDERSON ..... KY
TUK STANTON ..... KY
MJM MERIDIAN ..... MS
KYB PASCAGOULA ..... MS
DHS WINONA ..... MS
XRY MT AIRY ..... NC
JQ SMITHFIELD ..... NC
SZ ANDERSON ..... SC
ISM FLORENCE ..... SC
TRC KNGSPT/BAYS MT .... TN
MWQ MCMINNVILLE ..... TN
RWK MEDINA ..... TN
SKH OAK RIDGE ..... TN
FPM MANASSAS ..... VA
WRN STAUNTON ..... VA
KXV VIRGINIA BEACH ..... VA
E LOGAN/WARD RK MT WV
CRW PARKERSBURG (OH) WV
6.38 /6.98 BEJ ELIZABETHTOWN ..... KY
6.385/6.985 I AUGUSTA ..... GA
HHH ELLIJAY/TALONA M ... GA
TOV PRESTON ..... GA
UUB ST. MARYS ..... GA
FE WARM SPRINGS ..... GA
DMT SENATOBIA ..... MS
OGB ALBEMARLE ..... NC
PVE MARION ..... NC
IY FRANKLIN ..... TN
CA ROANOKE/POOR MT . VA

EIV CHARLES TOWN ..... WV
LL NEW MARTINSVILE ... WV
6.40 /7.00 NNO ATLANTA ..... GA
OQX ROCHELLE ..... GA
UFH CORINTH ..... MS
QFX WATER VALLEY ..... MS
FVO JACKSONVILLE ..... NC
AZA THOMASVILLE ..... NC
HE COLUMBIA ..... SC
YLT MARION ..... SC
YXZ PICKENS ..... SC
AZQ KNOXVILLE ..... TN
ZJM MEMPHIS ..... TN
HMT SUFFOLK/GASBURG . VA
WMX ST ALBANS ..... WV
6.64 /7.00 HE LEXINGTON ..... SC
7.60 /7.00 WAU ELKHORN CITY ..... KY
LR SHELBYVILLE ..... KY
M WILLIAMSBURG ..... KY
NKZ COLUMBUS ..... MS
PPL #N. CHARLESTON ..... SC
KMG BLOUNTVILLE ..... TN
SGA CLARKSVILLE ..... TN
QS COLLEGEDALE ..... TN
ZR TERRA ALTA ..... WV
6.415/7.015 GIS CARTERSVILLE ..... GA
XRY YADKINVILLE ..... NC
M LYNCHBURG ..... VA
AXO NORTON/HIGH KNOB VA
7.615/7.015 DT BONAIRE ..... GA
UM MIDWAY ..... GA
FDK LEXINGTON ..... KY
JHK MONTICELLO ..... MS
KPF LK NORMN/CLT ..... NC
YP SELMA ..... NC
UMU SUMTER ..... SC
JVV LEBANON ..... TN
KS ROCKWOOD ..... TN
YGM UNION CITY ..... TN
LNT FREDRICKSBURG ..... VA
6.43 /7.03 D LAUREL ..... MS
YTZ ROCK HILL ..... SC
DRL GRANDJUNCTION ..... TN
MVR LEXINGTON ..... TN
JST RICHMOND ..... VA
7.63 /7.03 REI ATLANTA/AIRPORT ... GA
ZVL HOPKINSVILLE ..... KY
PJZ LOUISVILLE ..... KY
A OWENSBORO ..... KY
LDD OCEAN SPRINGS ..... MS
GG GREENSBORO ..... NC
DTS ROANOKE RAPIDS ..... NC
FOF BARNWELL ..... SC
HOG N. MYRTLE BEACH ... SC
YGI COLLIERVILLE ..... TN
NIQ FAYETTEVILLE ..... TN
DRL GRAND JUNCTION ..... TN
LP MORRISTOWN ..... TN
IT MULLENS/HRNDN MT WV
ECC ST MARYS/BENS R ... WV
7.64 /7.04 RNF WINFIELD (AL) ..... MS
6.445/7.045 AIH ANDREWS/ROBBINSV NC
FLR FAYETTEVILLE ..... NC
7.645/7.045 TYM METTER ..... GA
NFA WATKINSVILLE ..... GA
VF GRETHEL ..... KY
BEC BALD CREEK ..... NC
QP STATSVL/ASBRY MT . NC
HKZ COOKEVILLE ..... TN
AYN NASHVILLE ..... TN
FOZ STAUNTON/EL. KB ..... VA
SBC VIRGINIA BEACH ..... VA
6.46 /7.06 CQ CHARLOTTE ..... NC
LBM ALTON ..... VA
PNC PRINCETON ..... WV
7.66 /7.06 DDI MACON ..... GA
CLA ROSWELL ..... GA
UCJ THOMASVILLE ..... GA
WQ PADUCAH ..... KY
OCF RICHTON ..... MS
LED MACO ..... NC
VFR SUMTER/SHAW ..... SC
UG GRNVLE/VIKING MT ... TN
MQQ MEMPHIS ..... TN
QEB SHELBYVILLE ..... TN
ECM ENON ..... VA
KNM #POINT PLEASANT ... WV
7.67 /7.07 NMC LOUISVILLE ..... KY
6.475/7.075 GBS MORGANTON ..... GA
7.675/7.075 JXR LAWRENCEVILLE ..... GA
CJB PEMBROKE ..... GA
TLP OWINGSVILLE ..... KY
Y JACKSON ..... MS
HBQ BURLINGTON ..... NC
L NEWTON ..... NC
E GREENBRIER ..... TN
GBI KNOXVILLE ..... TN
O MCNAIRY ..... TN
HBU NORFOLK ..... VA
PNT WAYNESBORO ..... VA
QC MORGANTOWN ..... WV
7.69 /7.09 YHM EATONTON ..... GA
CVE ST SIMONS ISL ..... GA
ZAC HARLAN ..... KY
YK PHELPS ..... KY
DSN AMORY ..... MS
MRS NEW HEBRON ..... MS

GDF GREENVL/ESTN NC ... NC
RP ORANGEBURG ..... SC
JLA SPARTANBURG ..... SC
ATI GERMANTOWN ..... TN
NLP JAMESTOWN ..... TN
VL GALAX/BRIRP MT ..... VA
TZE OILVILLE ..... VA
7.705/7.105 YSB ATLANTA ..... GA
D STATESBORO ..... GA
KFD CALVERT CITY ..... KY
FGA MARION ..... KY
HXG WAYNESBORO ..... MS
JCK MONROE ..... NC
GHH MOUNTAIN HOME ..... NC
TC HENDERSON ..... TN
IDG SHOP SPRINGS ..... TN
JBJ BEDFORD ..... VA
SR CHESAPEAKE ..... VA
JTH MT STORM ..... WV
Z SPENCER ..... WV
6.09 /7.11 ZLR #LOGAN ..... WV
7.72 /7.12 MM ALBANY ..... GA
S AUGUSTA ..... GA
CMA CEDARTOWN ..... GA
HCA CLARKESVILLE ..... GA
U BENTON ..... KY
ASZ WINCHESTER ..... KY
N ACKERMAN ..... MS
REW GAST/SPCR MT ..... NC
Z ROCKY MOUNT ..... NC
JMT MYRTLE BEACH ..... SC
ZYX COLUMBIA ..... TN
GMV MEMPHIS ..... TN
EAJ OAK RIDGE ..... TN
DE COLLINSVILLE ..... VA
VI CULPEPER ..... VA
DKM BRIDGEPORT ..... WV
7.735/7.135 BZJ DALTON ..... GA
FRM MILLEDGEVILLE ..... GA
Y VALDOSTA ..... GA
ICN PAINTSVILLE ..... KY
LRQ PETAL ..... MS
GBH BREVARD ..... NC
ABW CHERAW ..... SC
EDS ALAMO ..... TN
AZJ PEARISBURG ..... VA
HB RICHMOND ..... VA
7.75 /7.15 TFW ALBANY ..... GA
BYK CUMMING/SAWNEE ... GA
HKK JACNITO ..... MS
III PEARL ..... MS
VLY MORGANTON ..... NC
TQD RALEIGH ..... NC
BJM MONCKS CORNER ..... SC
SDT SIMPSONVILLE ..... SC
PCD NASHVILLE ..... TN
EAJ OAK RIDGE ..... TN
QJZ JEWELL RIDGE ..... VA
SVR ST ALBANS ..... WV
7.765/7.165 KIN FORSYTH ..... GA
HBM LEXINGTON ..... KY
UBY PRESTONSBURG ..... KY
RIS HIGH POINT ..... NC
VIA GREENWOOD ..... SC
CEX PURYEAR ..... TN
CTF NEWPORT NEWS ..... VA
N WARRENTON ..... VA
K WESTON ..... WV
7.78 /7.18 BMA AUGUSTA ..... GA
NHW BALDWIN ..... GA
BI SYCAMORE ..... GA
H BAXTER ..... KY
CN LOUISVILLE ..... KY
UDQ INVERNESS ..... MS
EJJ SANFORD ..... NC
SFK TRYON/MELROSE MT NC
CTJ WILMINGTON ..... NC
NAT DORCHESTER ..... SC
SC FT MILL/CAROWND ..... SC
KOG MEMPHIS ..... TN
PCD NASHVILLE ..... TN
DES POLK CTY/OSWALD ... TN
YKV AMELIA COURTHSE ... VA
Z PKS KB/PULASKI ..... VA
OHX LEON ..... WV
7.795/7.195 B ATLANTA ..... GA
UCJ BOSTON ..... GA
NIN LENOIR ..... NC
WB MURPHY ..... NC
PNZ FLORENCE ..... SC
AZQ KNOXVILLE ..... TN
RTS LYNCHBURG ..... VA
ELM SMITHFIELD ..... VA
H HORSEPEN MT ..... WV
7.81 /7.21 EMM CONYERS ..... GA
TO SAVANNAH ..... GA
BUZ GREENSBORO ..... NC
MSD WHITEVILLE ..... NC
AVU LITTLE MT. ..... SC
WS COOKEVILLE ..... TN
SBX GRAY/HOLSTON MT .. TN
WKZ JACKSON ..... TN
IWG MCLEAN ..... VA
FMD CLARKSBURG ..... WV
TC EVANS ..... WV
7.825/7.225 ZUN JEFFERSON ..... GA
LVY SUMMERVILLE ..... GA

NFK LITCHFIELD ..... KY
OXA ESCATAWPA ..... MS
DRL WARSAW ..... MS
UQS ASHEVILLE ..... NC
WTX HILLSBOROUGH ..... NC
DTW BOWMAN ..... SC
OAH MORRISTOWN ..... TN
VXR HAMPTON ..... VA
C HARRISONBURG ..... VA
NRK PRINCETON ..... WV
7.84 /7.24 NFG IRWINTON ..... GA
DII ASHLAND ..... KY
AVE FAIR DEALING ..... KY
AI FRANKFORT ..... KY
NAR MAYFIELD ..... KY
R TUPELO ..... MS
NIW CARTHAGE ..... NC
PBG FOREST CITY ..... NC
GHZ FRANKLIN ..... NC
ILN HILTON HEAD ..... SC
AC LANCASTER ..... SC
BKY GALLATIN ..... TN
OG LUNENBURG CT.HSE VA
FQR WOODBRIDGE ..... VA
7.855/7.255 KDT ATLANTA ..... GA
IOX DIXON ..... KY
CQ HIGHLAND HEIGHTS . KY
RC LAUREL ..... MS
AV ASHEBORO ..... NC
KNI HENDSVL/PENIC/MT .. NC
BZU NASHVILLE ..... TN
SI PETROS/FRZ HD MT .. TN
TVS ACCOMAC ..... VA
CYZ DANTE ..... VA
EQC HINTON ..... WV
YZV MARTINSBURG ..... WV
LLM PARKERSBURG ..... WV
7.87 /7.27 EBB AMERICUS ..... GA
KMS COVINGTON ..... GA
KWT LOUISVILLE ..... KY
USN ABERDEEN ..... MS
SXK VICKSBURG ..... MS
H RALEIGH BENSON ..... NC
SM WAYNESVILLE ..... NC
LET CHARLESTON ..... SC
JFJ SENECA/LONG MT ..... SC
YQC GALLATIN ..... TN
FH JOHNSON CITY ..... TN
OWI MEMPHIS ..... TN
TMC PINSON ..... TN
IKL GUM SPRING ..... VA
QWO ROANOKE/POOR MT VA
S SCOTT DEPOT ..... WV
7.885/7.285 EVD ASHBURN ..... GA
VBX ATLANTA/GPCO ..... GA
ZFH LONDON ..... KY
FGA MARION ..... KY
EZN COLUMBIA ..... MS
CTS CORINTH ..... MS
ADM AIKEN ..... SC
DCD MYB BCH/BRKSVIL ... SC
MGM WHITE OAK MTN ..... SC
ZTK BLUFF CITY ..... TN
PUX PIKEVILLE ..... TN
QT MARTINSVILLE ..... VA
HON SPRUCE KNOB ..... WV
7.90 /7.30 MU PERRY ..... GA
YSV ROME ..... GA
U PRESTONSBURG ..... KY
SJH SPRINGFIELD ..... KY
LNY MAGEE ..... MS
YJG JEFFERSON ..... NC
MZP RED SPRINGS ..... NC
OMV TUCKASEGEE ..... NC
ESG AWENDAW ..... SC
BBB KNOXVILLE ..... TN
ADT MEMPHIS ..... TN
ZSA NASHVILLE ..... TN
TSC BLUEMONT ..... VA
SPS FRANKLIN ..... VA
ZR LEXINGTON ..... VA
NSL HARRISVL/PENSBRO WV
7.905/7.305 UMO #GREENVILLE ..... NC
7.915/7.315 REB TWIN CITY ..... GA
IL SALEM ..... KY
JYH SAURATOWN MT ..... NC
PPD SHALLOTTE ..... NC
UZT N. SPARTANBURG ..... SC
O #FRUITLAND ..... TN
HZN ROGERSVILLE ..... TN
HFH ALEXANDRIA ..... VA
HWQ GRUNDY ..... VA
YET HARRISONBURG ..... VA
MR CLARKSBURG ..... WV
7.93 /7.33 BXO LAGRANGE ..... GA
DIP TOCCOA ..... GA
KWH ASHLAND ..... KY
KNE MT. STERLING ..... KY
IUI PROVIDENCE ..... KY
CYR MCHENRY ..... MS
EPP PHILADELPHIA ..... MS
LPL FAYVLLE/FT BRAGG .. NC
K LENOIR/HIBRITN ..... NC
NUY COLUMBIA ..... SC
VXW COVINGTON ..... TN
ORB MORGAN COUNTY ..... TN
ZR LEXNGTN/ROCK MT .. VA

ZJP WARSAW ..... VA
7.945/7.345 NEQ ATLANTA/MARIETTA . GA
PJR JESUP/SCREVEN ..... GA
IZD LYNCH/BLACK MT ..... KY
JC CLINTON ..... MS
NYR SHELBY ..... NC
TEP WASHINGTON ..... NC
LWS AWENDAW ..... SC
UVH HENDERSONVILLE ... TN
MMI RAMER ..... TN
UTN GLADYS ..... VA
RUA FRANKLIN ..... WV
K LOGAN/SUMERCO ..... WV
7.96 /7.36 CLC DOUGLASVILLE ..... GA
HZX DUBLIN ..... GA
Z LOUISVILLE ..... KY
CJR HATTIESBURG ..... MS
PKU LOUISVILLE ..... MS
SVC NATCHEZ ..... MS
KDB BOONE/RICH MTN ..... NC
LDB DURHAM ..... NC
S LUMBERTON ..... NC
EOY COLUMBIA ..... SC
OAK LAFOLLETTE ..... TN
NTM NASHVILLE ..... TN
KLX PARIS ..... TN
MMI POCAHONTAS ..... TN
CBB CHESTERFIELD ..... VA
OLM STUARTS DRAFT ..... VA
7.975/7.375 TQU ATHENS/CRAWFORD GA
VAK LAFAYETTE ..... GA
CO WALTON ..... KY
VFU GULFPORT ..... MS
YN BURNSVILLE ..... NC
ROK GREENVILLE ..... NC
DCD TABOR CITY ..... NC
DMI GEORGETOWN ..... SC
LEO GREENVILLE ..... SC
ILD LYNCHBURG ..... VA
NV VIRGINIA BEACH ..... VA
LNB GRAFTON ..... WV
WMX ST ALBANS ..... WV
7.98 /7.38 NAY PONTOTOC ..... MS
7.99 /7.39 IMK THOMASTON ..... GA
NON COVINGTON ..... KY
RBL LA GRANGE ..... KY
PDJ #WHTSBRG/PINE MT. KY
UNA PRENTISS ..... MS
CHZ AQUADALE ..... NC
PLY CHARLOTTE ..... NC
QBG EDEN/STONEVILLE ... NC
FAU SHALLOTTE ..... NC
IUY SMITHFIELD ..... NC
FEC LEXINGTON ..... SC
TA CLARKSVILLE ..... TN
PHT DAYTON/RHEA CTY... TN
BJY OAKFIELD ..... TN
AJO MADISON ..... VA
ARO PETERSBURG ..... VA
CRW PARKERSBURG ..... WV
6.19 /7.51 HBJ MEMPHIS ..... TN
7.075/7.875 NGQ FRANKFORT ..... KY
7.315/7.915 STJ FORSYTH ..... GA
6.48 /1.00 EHJ BARBOURSVILLE ..... WV

220 MHZ

0.058/EACON NKM GREENEVILLE ..... TN
2.055/EACON MW MEMPHIS ..... TN
4.26 /2.66 DBB BEDFD/APL ORCH ..... VA
2.12 /3.72 KHP STERLING ..... VA
2.14 /3.74 VMI LEXINGTON ..... KY
2.18 /3.78 OHX #LEON ..... WV
2.30 /3.90 RAB HERMITAGE ..... TN
2.32 /3.92 UXD AUGUSTA ..... KY
2.34 /3.94 QK ASHLAND ..... KY
GP CLARKSVILLE ..... TN
ZJM MEMPHIS ..... TN
HTA VIENNA ..... VA
2.38 /3.98 HUV LINWOOD ..... NC
ZSA GALLATIN ..... TN
2.42 /4.02 EHF FAYETTEVILLE ..... NC
TXE LEESBURG ..... VA
2.46 /4.06 MB ARLINGTON ..... VA
2.48 /4.08 NTM NASHVILLE ..... TN
2.50 /4.10 F BALDWIN ..... GA
CII RIDGEVILLE ..... SC
YHD FAIRFAX ..... VA
DBB ROANOKE ..... VA
2.52 /4.12 NFP ATLANTA/MARIETTA . GA
G FLAT TOP/WINTRPL... WV
2.54 /4.14 JEH CONYERS ..... GA
WOR GREENSBORO ..... NC
QHF PICKENS/CSRS HD .... SC
SGS FRANKLIN ..... TN
YQC CHARLOTTESVILLE ... VA
M #WILLIAMSON ..... WV
2.56 /4.16 JNN SASAFRAS MTN ..... GA
K LENOIR/HIBRITN ..... NC
S NASHVILLE ..... TN
2.58 /4.18 GLC BRUNSWICK ..... GA
YDX DALLAS ..... GA
RWN COLUMBIA ..... SC
M COLUMBIA ..... SC
2.60 /4.20 OVY ATLANTA-NE ..... GA
UA AUGUSTA ..... GA
ILY GREENVILLE ..... SC
KMG BLOUNTVILLE ..... TN

	YTU BROWNSVILLE	TN
	PEA HAMPDEN-SYDNEY	VA
2.62 /4.22	NEQ MARIETTA	GA
	ZXK VERSAILLES	KY
	C ROCKY MOUNT	NC
	FZK KNXVL/CROSS MT	TN
	BN SPRINGFIELD	TN
2.64 /4.24	YYD ELLIJAY-BUCK MTN	GA
	KNI HENDSVL/BERWLW M	NC
2.66 /4.26	L MARIETTA	GA
	BVW ASHVL/MT PISGAH	NC
	WTX #HILLSBOROUGH	NC
	NP SHORT MTN.	TN
2.68 /4.28	BLR ATLANTA	GA
	OAK LAFOLLETTE	TN
	M LYNCHBURG	VA
2.70 /4.30	NYV TEMPLE	GA
	MKT LOUISVILLE	KY
	AI SOMERSET	KY
	PVI STATESVILLE	NC
2.72 /4.32	JBF THOMASVILLE	GA
	KYB PASCAGOULA	MS
	WGA JACKSONVILLE	NC
	X PICKENS/SASFR MT	SC
	US CLEVELAND	TN
3.72 /4.32	MTA ACWORTH	GA
2.74 /4.34	DOC ATLANTA	GA
	AZA THOMASVILLE	NC
	CVL MANASSAS	VA
2.76 /4.36	BZJ DALTON	GA
	TYO MARSHALL	NC
	YST #CHARLESTON	WV
2.78 /4.38	RBT CLEVELAND	GA
	OCJ KNOXVILLE	TN
	QT DANVILLE	VA
2.80 /4.40	DWU ELLISVILLE	MS
	BFB CHARLOTTE	NC
	QHF PICKENS	SC
	YGI COLLIERVILLE	TN
	RBB MORRISTOWN	TN
2.82 /4.42	YSV ROME	GA
	AO LEXINGTON	KY
	VEZ LOUISVILLE	KY
	BS MEMPHIS	TN
	DE COLLINSVILLE	VA
	KHP TYSONS CORNER	VA
2.84 /4.44	NEQ ATL/MARIETTA	GA
	IEV SPINDALE	NC
	G WEST SPRINGS	SC
	OG NASHVILLE	TN
	FUV SEVIERVILLE	TN
	GLA DANVLE/WHITE OAK	VA
2.86 /4.46	ELN VALDOSTA	GA
	ZTJ SHELBY	NC
	YON KNOXVILLE	TN
	FUJ LOVETTSVILLE	VA
2.88 /4.48	PRH NORCROSS	GA
	ZIA LOCUST	NC
	ZGA NASHVILLE	TN
2.90 /4.50	MTA MARIETTA	GA
	TYP BILOXI	MS
	YNY WILMINGTON	NC
	BBB KNOXVILLE	TN
	DRL MEM/FISHERVILLE	TN
	BVI MARTINSVILLE	VA
2.92 /4.52	KSM WALESKA/PNLGMT	GA
	RWN LITTLE MTN	SC
	OBW JONESBOROUGH	TN
	ONG RICHMOND	VA
3.92 /4.52	RPB GLEN	MS
2.94 /4.54	BVW MT MITCHELL	NC
3.94 /4.54	YEA DALLAS	GA
2.96 /4.56	DOC ATL/CHESTNUT MT	GA
	DOC ATLANTA	GA
	EHF FAYETTEVILLE	NC
2.98 /4.58	F PIKEVILLE	KY
	FKC ROCKY MOUNT	NC
	YHH SAURATOWN MT	NC
	VFD CROSS	SC
3.00 /4.60	GIS CARTERSVILLE	GA
	N ASHEVILLE	NC
	NNR HIGH POINT	NC
	HMT GASBURG/LK GASTN	VA
3.02 /4.62	ZTL ATLANTA/BELL	GA
	ETG PIKEVILLE	KY
	THN GLOUCESTER PT.	VA
3.04 /4.64	ABZ RINGGOLD	GA
	PEN RALEIGH	NC
	YHH WINSTON-SALEM	NC
	NRL CHARLESTON	SC
	RGQ CLINCH MTN	TN
3.06 /4.66	BKM MACON	GA
	PLA MARS HILL	NC
	AM SUNSET BEACH	NC
	VFR SUMTER/SHAW	SC
	S NASHVILLE	TN
	FPM MANASSAS	VA
3.08 /4.68	BZJ DALTON	GA
	KPF LK NORMN/CLT	NC
3.10 /4.70	PZD HIRAM	GA
	GY BAY ST. LOUIS	MS
	RXG SAURATOWN MT	NC
	ARO PETERSBURG	VA
3.12 /4.72	MBK CLAYTON	GA
	KO COLUMBIA	TN
	KHP TYSONS CORNER	VA
3.14 /4.74	KVC DALTON	GA
	TFU BURNSVILLE	NC
	RVS OXFORD	NC
	PYI NASHVILLE	TN
	WQJ VIRGINIA BEACH	VA
3.16 /4.76	BOC STONE MT	GA
	EXU SALISBURY	NC
	E GREENBRIER	TN
	TFZ CHARLOTTESVILLE	VA
3.18 /4.78	KLW ROCKMART	GA
	D ACKERMAN	MS
	WGY EDEN	NC
	TGK ORANGEBURG	SC
	VCM CHATTANOOGA	TN
	UCI JC/BUFFALO MT	TN
	KOG MEMPHIS	TN
	GJZ WOODBRIDGE	VA
3.20 /4.80	PML MORGANTON	NC
	E GREENBRIAR	TN
3.22 /4.82	C ATLANTA	GA
	MOP LOUISVILLE	KY
	D ACKERMAN	MS
	DWU CANTON	NC
	HTS GREENSBORO	NC
	CCF ALEXANDRIA	VA
	SAD SINGERS GLEN	VA
3.24 /4.84	MU PERRY	GA
	DAN GRIFTON	NC
	PLV BEDFORD	VA
3.26 /4.86	JNN ALPHARETTA	GA
	GYR SUMTER	SC
	KFI KNOXVILLE	TN
	UHA HAMPTON	VA
3.28 /4.88	UPC YORKVILLE	GA
	AI SOMERSET	KY
	VNO BAY ST. LOUIS	MS
	AIH ANDREWS/ROBBINSV	NC
	RXG SAURATOWN MT	NC
	DRL FISHERVILLE	TN
3.30 /4.90	QPL MARIETTA	GA
	ST PONTOTOC	MS
	EOY COLUMBIA	SC
	ZOK CHATT/SIGNAL MT	TN
	HQ DELTAVILLE	VA
3.32 /4.92	NYK ROPER MT/GRNVL	SC
	LGA BLFD/E.RIVER MTN	VA
3.34 /4.94	KXO AUGUSTA	GA
	EV ROSSVILLE	GA
	YUU LEXINGTON	KY
	JJ FLORENCE	SC
	NKM GREENEVILLE	TN
	PCD NASHVILLE	TN
	EM ROANOKE/CHAUS MT	VA
3.38 /4.96	ZJG HIRAM	GA
	JTX CHERRYVILLE	NC
	JVX GOLDSBORO	NC
	UQS HENDERSONVILLE	NC
	WTB SAURATOWN MT	NC
	TUN AIKEN	SC
	RA LAVERGNE	TN
3.38 /4.98	JSR CUMMING	GA
	PNG JARVIS	KY
	CHP FALLS CHURCH	VA
440 MHZ		
9.45 /5.67	DOC ATLANTA	GA
9.25 /1.25	PXX BRNSWK/JEKYLL IS	GA
	PPN CHARLOTTE	NC
	AZA SAURATOWN MT	NC
	GUP LEXINGTON	SC
	ERU MEMPHIS	TN
	ZQ NASHVILLE	TN
9.250/1.250	NS ELIZABETHTOWN	KY
	TPI PULASKI	TN
9.25 /3.25	UMU SUMTER	SC
	VHP SAVANNAH	GA
	NQJ WAYNESBORO	VA
	MM ALBANY	GA
	AOH OWENSBORO	KY
	NYR SHELBY	NC
1.25 /4.00	EM MEMPHIS	TN
6.25 /9.25	GVK ALEXANDRIA	VA
	FHL ROANOKE/POOR MT	VA
7.00 /2.00	RTH ALPHARETTA	GA
	ORL LOUISVILLE	KY
	HMT GASBURG	VA
	CSG WINCHESTER	VA
	T WYTHEVILLE	VA
7.05 /2.05	XV JASPER	TN
	BJY MEDINA	TN
7.075/2.075	VOS STANTON	KY
	J LONE MOUNTAIN	TN
7.10 /2.10	ABJ MILAN	TN
	TXE STERLING	VA
7.125/2.125	PLP ROSSVILLE	GA
7.15 /2.15	QO DUNWOODY	GA
	BEA RALEIGH	NC
	J CHATTANOOGA	TN
7.150/2.150	TPI PULASKI	TN
7.175/2.175	EO ROCKY FACE	GA
	YUY ROANOKE	VA
7.20 /2.20	APR DECATUR	GA
	YCR BETHPAGE	TN
	SBX GRAY/HOLSTON MT	TN
	BJY OAKFIELD	TN
	TXE STERLING	VA
	QC PARSONS	WV
7.225/2.225	KWT LOUISVILLE	KY
	GUG #GREENSBORO	NC
7.25 /2.25	PQA GREENVILLE	SC
	DES OSWALD DOME	TN
	HTI COVINGTON	VA
7.275/2.275	VTT MACON	GA
7.30 /2.30	NOG DULUTH	GA
	VFD CROSS	SC
	UBR COOKEVILLE	TN
	BS BECKLEY/BOLT	WV
7.325/2.325	JSR CHATTANOOGA	TN
7.35 /2.35	NHW BALDWIN	GA
7.375/2.375	PXV WEST JEFFERSON	NC
7.40 /2.40	UER WARM SPRINGS	GA
	XV LATONIA	KY
	QHF PICKENS/CSRS HD	SC
	SSB MONTEAGLE	TN
	YI LYNCHBG/JACK MT	VA
7.425/2.425	HCA #CLARKESVILLE	GA
7.45 /2.45	RBL LA GRANGE	KY
	LMR RALEIGH	NC
	NEB CLEVELAND	TN
7.475/2.475	NVG LAVONIA	GA
7.50 /2.50	MLF LOUISVILLE	KY
	SSB HENDERSONVILLE	TN
	NTZ KNOXVILLE	TN
	CA ROANOKE/POOR MT	VA
7.500/2.500	YNY WILMINGTON	NC
7.55 /2.55	JEH CONYERS	GA
	MMY PITTSBORO	NC
7.60 /2.60	USU MURPHY	NC
	SSB GALLATIN	TN
	VA #HUNTINGTON	WV
7.625/2.825	NSO GAINESVILLE	GA
	AM SUNSET BEACH	NC
	EPG MEMPHIS	TN
7.675/2.875	UP LAWRENCEBURG	TN
7.70 /2.70	HHH ELLIJAY	GA
	AZU SAVANNAH	GA
	SSB GORDONSVILLE	TN
	VG ROANOKE/POOR MT	VA
7.725/2.725	NMF ATLANTA/SWEAT MT	GA
	YJ LOUISVILLE	KY
7.75 /2.75	EMM MILLIDGEVILLE	GA
	GR BAKERSVILLE	NC
7.80 /2.80	AAD YADKINVILLE	NC
	EPG JACKSON	TN
	MIC GUM SPRING	VA
7.825/2.825	G MEMPHIS	TN
7.875/2.875	IWK MACON	GA
7.90 /2.90	AZA THOMASVILLE	NC
	BNW MULLOY	TN
7.925/2.925	YHM EATONTON	GA
7.95 /2.95	FU LYNCHBURG	VA
7.975/2.975	YNZ ATLANTA	GA
8.00 /3.00	OGF CHATSWORTH	GA
	EOY COLUMBIA	SC
	ZJM MEMPHIS	TN
	X WHITETOP MTN	VA
	EZR HUNTINGTON	WV
8.80 /3.00	KOG MEMPHIS	TN
8.025/3.025	DZ BURLINGTON	NC
8.05 /3.05	JVX GOLDSBORO	NC
	PUB MT JULIET	TN
8.10 /3.10	IZD LYNCH/BLACK MT	KY
	GGC SAURATOWN MT	NC
	GPM FAYETTEVILLE	TN
	JXT MEMPHIS	TN
	ADW POWHATAN	VA
	LJZ WOODBRIDGE	VA
	FHE BUCKHANNON	WV
8.125/3.125	DEB HAMPTON	GA
8.15 /3.15	QO DUNWOODY	GA
	HG #SALISBURY	NC
	MHR ST. ALBANS	WV
8.175/3.175	ARO GREENBAY	VA
8.20 /3.20	APP HIGH HOUSE MTN	GA
	UG GRNVLE/VIKING MT	TN
	BS MEMPHIS	TN
8.225/3.225	QCP JONESBORO	GA
	ZCM RALEIGH	NC
8.25 /3.25	VF DORTON	KY
	JEX KANNAPOLIS	NC
8.275/3.275	KLW ROCKMART	GA
8.30 /3.30	X ATHENS	GA
	SVQ ARCHDALE	NC
	IEV SPINDALE	NC
	KJH GATLBG/COVE MT	TN
8.325/3.325	JMD STOCKBRIDGE	GA
	JMD STOCKBRIDGE	GA
8.35 /3.35	YYD ELLIJAY-BUCK MTN	GA
	N #GRNVLE/PARIS MT	SC
	LFU RICHMOND	VA
8.375/3.375	AQS CALHOUN/JASPER	GA
8.40 /3.40	RDM HAMPTON	GA
	WTB SAURATOWN MT	NC
	RPC YAUPON BEACH	NC
	TUN AIKEN	SC
	DBJ CUMBERLAND CITY	TN
	QWW MEMPHIS	TN
8.425/3.425	CPO BRUNSWICK	GA
	MDE JASPER	GA
	SQC JOHNSON CITY/HMV	TN
8.45 /3.45	VAK HIGH PT/LOOKT MT	GA
	VOZ STATESVILLE	NC
8.475/3.475	X CHAPEL HILL	NC
8.50 /3.50	EQC LOUISVILLE	KY
	UBY META	KY
	X LAUREL	MS
	PQZ GREENSBORO	NC
	GYM COLUMBIA	SC
	WKS PARIS/GROVE HL	TN
	FI TYSONS CORNER	VA
8.500/3.50	MTA MARIETTA	GA
8.525/3.525	KLW ROCKMART	GA
8.55 /3.55	IN DACULA	GA
	XE ROARING GAP	NC
	ELM SMITHFIELD	VA
8.575/3.575	PXV GRANDFATHER MTN	NC
8.60 /3.60	BA MARIETTA	GA
	HYE MENDENHALL	MS
	DWU MT MITCHELL	NC
	CXD FOREST	VA
8.625/3.625	MJN JAMESTOWN	TN
	E #ONEIDA PEAK/BLF	VA
8.65 /3.65	ZV ATLANTA	GA
	D ACKERMAN	MS
	AIH ANDREWS/ROBBINSV	NC
	UMI HAMPTON	VA
	BON ROANOKE/POOR MT	VA
8.675/3.675	IBW KNOXVILLE	TN
8.70 /3.70	BA MARIETTA	GA
	LXW HIGH POINT	NC
	LBT LOCUST	NC
	DOR BARTLETT	TN
8.725/3.725	OTT CARTHAGE	TN
8.75 /3.75	TF COVINGTON	GA
	EDS ALAMO	TN
	EG #ROANOKE AIRPORT	VA
8.775/3.775	ZOE NASHVILLE	TN
8.80 /3.80	NFP ATLANTA/MARIETTA	GA
	IAT NATCHEZ	MS
	HNK SUMMERVILLE	SC
	NDH CHESAPEAKE	VA
	VA INDEPENDNCE HILL	VA
8.825/3.825	KRM SHELBYVILLE	TN
	KZI PETERSBURG	VA
8.85 /3.85	YSV WALESKA/PNLOG MT	GA
	ULM FRANKLIN	TN
	OB STAFFORD	VA
8.875/3.875	LXT ATLANTA	GA
	MZ HAW RIVER	NC
	DUM WILLIS	VA
8.90 /3.90	DEB GRIFFIN	GA
	DWU ELLISVILLE	MS
	RIS HIGH POINT	NC
	EVG CHESAPEAKE	VA
8.925/3.925	LJU RINGGOLD	GA
	YR SOUTH BOSTON	VA
8.95 /3.95	UFM DECATUR	GA
	RYF MEMPHIS	TN
	NTG WILLIAMSBURG	VA
8.975/3.975	BRN MEMPHIS	TN
	WJS ROCKWOOD	TN
	RA SMRYNA	TN
	FIP WESTON	WV
9.00 /4.00	QDX LAWRENCEVILLE	GA
	AFY SAVANNAH	GA
	II JACKSON	MS
	JEQ HICKORY	NC
	YP SELMA	NC
	BKY GALLATIN	TN
	ETE MEMPHIS	TN
	SN PORTSMOUTH	VA
	IT #MULLENS/HRNDN M	WV
9.025/4.025	MSE STONE MT	GA
	DZ HIGH POINT	NC
	RDK MEMPHIS	TN
9.05 /4.05	NEQ ATLANTA/MARIETTA	GA
	OLC HICKORY	NC
	OG NASHVILLE	TN
	AVA GREAT FALLS	VA
	OLM STUARTS DRAFT	VA
9.075/4.075	PDQ MARYVILLE	TN
9.10 /4.10	BKM MACON	GA
	MNI BOWLING GREEN	KY
	WTT LOUISVILLE	KY
	WUX MERIDIAN	MS
	WTX DURHAM	NC
	AM CHATTANOOGA	TN
	JXT MEMPHIS	TN
	FOZ STAUNTON/EL KNOB	VA
	ILO PARKERSBURG	WV
9.125/4.125	YOQ BOSTIC	NC
	ECD LAFAYETTE	TN
9.15 /4.15	ZTL ATLANTA/BELL	GA
	BJT CLERMONT HARBOR	MS
	YCR NEW ALBANY	MS
	BQG GASTONIA	NC
	NTM NASHVILLE	TN
	MB ARLINGTON	VA
	ZR LEXNGTN/ROCK MT	VA
9.175/4.175	QOW COVINGTON	GA
	COV UNION	KY
	NNN KNOXVILLE	TN
	WTB STUART/SPOON MTN	VA
	FMD CLARKSBURG	WV
9.20 /4.20	LBM DECATUR	GA
	U MAYTOWN	KY
	E OAK LEVEL	KY
	YNF AHOSKIE	NC
	GYM COLUMBIA	SC
	YTU BROWNSVILLE	TN
	NEX MORRISTOWN	TN
	ECM ENON	VA

	EZA	WAYNESBORO ..... VA
9.225/4.225	VWK	YANCEYVILLE ..... NC
	ARK	NASHVILLE ..... TN
9.25 /4.25	BOC	ATLANTA/STONE MT. GA
	DC	GLASGOW/CVCTY..... KY
	CYR	GULFPORT..... MS
	KNI	HENDSVL/BERWLW M NC
	F	SMITHFIELD..... NC
	PAJ	BARTLETT ..... TN
	E	GREENBRIER..... TN
	TFZ	CHARLOTTESVILLE ... VA
9.275/4.275	VTT	MACON ..... GA
	NC	WINSTON-SALEM ..... NC
	GZX	CLEVELAND..... TN
9.30 /4.30	WH	JENKINS..... KY
	ZZD	LOUISVILLE..... KY
	WOR	GREENSBORO..... NC
	MNH	CHARLESTON ..... SC
	DRL	FISHERVILLE..... TN
	GBI	KNOXVILLE ..... TN
	EFK	FALLS CHURCH ..... VA
9.325/4.325	BA	MARIETTA ..... GA
	T	WYTHEVILLE/SAND .. VA
	ZXP	GLENVILLE..... WV
9.35 /4.35	JF	TIFTON ..... GA
	CO	HIGHLAND HEIGHTS . KY
	V	GIBSONVILLE..... NC
	BKY	GALLATIN ..... TN
	DBB	BEDFD/APL ORCH ..... VA
9.375/4.375	IZF	JASPER..... GA
	OWU	FENDER MTN..... NC
9.40 /4.40	UA	AUGUSTA ..... GA
	ULJ	HAMILTON..... GA
	LU	LAWRENCEVILLE ..... GA
	RBL	#LA GRANGE..... KY
	LTW	MERIDIAN..... MS
	YZF	FAYETTEVILLE ..... NC
	YOQ	FOREST CITY ..... NC
	KOG	MEMPHIS ..... TN
	EAJ	OAK RIDGE ..... TN
	HON	MADISON ..... VA
	ARO	PETERSBURG ..... VA
	G	ALDERSON ..... WV
9.425/4.425	ISI	ALTAVISTA..... VA
9.45 /4.45	DOC	ATLANTA..... GA
	LCL	JACKSON..... MS
	CQ	CHARLOTTE..... NC
	YTU	BROWNSVILLE ..... TN
	KWP	GALLATIN..... TN
	J	SODDY DAISY..... TN
	ZOA	FALLS CHURCH ..... VA
9.475/4.475	CLA	SWEAT MT/MARIETT . GA
9.50 /4.50	MM	ALBANY..... GA
	UWL	ATLANTA..... GA
	APA	HENDERSON..... KY
	MOP	LOUISVILLE..... KY
	ICX	LEXINGTON ..... NC
	GYR	SUMTER..... SC
	LSP	BRISTOL/HLST MT..... TN
	KSL	KNOXVILLE ..... TN
	HEX	LYNCHBURG/TOBRMT VA
	ZAI	MT. VERNON ..... VA
	Y	BUCKHANNON..... WV
9.525/4.525	VF	GRETHEL..... KY
	MRS	NEW HEBRON ..... MS
	PEN	RALEIGH..... NC
	DCD	MYB BCH/BRKSVIL ... SC
	PYI	NASHVILLE ..... TN
9.55 /4.55	JEH	CONYERS..... GA
	KQ	LEWISPORT ..... KY
	VTE	GASTONIA ..... NC
	VM	ROANOKE RAPIDS .... NC
	VM	ROANOKE RAPIDS .... NC
	Y	COOKEVILLE..... TN
	OGT	HAMPTON ..... VA
	AF	THE PENTAGON ..... VA
9.575/4.575	AQG	DOUGLASVILLE ..... GA
	MVY	PHELPS..... KY
	SD	SALISBURY..... NC
	WCK	NASHVILLE..... TN
	DE	COLLINSVILLE ..... VA
9.60 /4.60	KMS	COVINGTON..... GA
	NMC	LOUISVILLE..... KY
	CO	JACKSON..... MS
	BFB	CHARLOTTE ..... NC
	RVS	OXFORD..... NC
	UDD	NORTH CHARLESTON SC
	HAP	KNOXVILL/ENG MTN.. TN
	JXI	MEMPHIS ..... TN
	HFH	ALEXANDRIA..... VA
	SAD	SINGERS GLEN ..... VA
	K	WESTON ..... WV
9.625/4.625	WQ	ATLANTA..... GA
	QFL	HAWESVILLE..... KY
	ZCD	HICKORY FLAT ..... MS
	OCF	RICHTON ..... MS
	DVN	LUMBERTON ..... NC
	TK	NASHVILLE ..... TN
	E	BLUEFIELD ..... VA
9.65 /4.65	IBW	SMYRNA..... GA
	ST	HORN LAKE ..... MS
	MME	SALISBURY..... NC
	NKM	GREENEVILLE..... TN
	MWQ	#MCMINNVILLE/HF... TN
	OYS	SHORT MTN..... TN
	ARO	RICHMOND ..... VA
	QC	#THOMAS ..... WV
9.675/4.675	EBZ	NEWNAN ..... GA
	VYX	PIKEVILLE..... KY
	WGA	JACKSONVILLE ..... NC
	JMT	MYR BCH/CONWAY ... SC
	AY	NASHVILLE ..... TN
	MIZ	NORFOLK ..... VA
9.70 /4.70	LUQ	DALLAS ..... GA
	ELN	VALDOSTA ..... GA
	AUN	LOUISVILLE..... KY
	Y	JACKSON..... MS
	YMY	DENVER/CLT..... NC
	JEH	ROCKY MOUNT ..... NC
	WWB	GATE CITY ..... VA
	LG	MORGANTOWN ..... WV
9.725/4.725	NFA	WATKINSVILLE..... GA
	QDK	WINSTON-SALEM ..... NC
	RAV	BLUFF CITY ..... TN
	AKM	FRANKLIN..... TN
	FO	LEWISBURG ..... WV
9.75 /4.75	EMM	CONYERS..... GA
	VZF	STARKVILLE..... MS
	TC	HENDERSON..... TN
	KQI	FOREST..... VA
	JYF	TYSONS CORNER ..... VA
	BNW	CHARLESTON..... WV
9.775/4.775	NEQ	ATLANTA/MARIETTA . GA
	YHH	KING ..... NC
	ATC	#RALEIGH..... NC
	AKM	GALLATIN..... TN
	G	PARKERSBURG ..... WV
9.80 /4.80	ELV	#CONYERS ..... GA
	ASI	COVINGTON..... GA
	BEJ	ELIZABETHTOWN..... KY
	CO	JACKSON..... MS
	J	GREENVILLE..... NC
	RG	GAFFNEY..... SC
	JXI	MEMPHIS..... TN
	LP	MORRISTOWN ..... TN
	MIC	OILVILLE..... VA
	G	BECKLEY/KINGSTON WV
	CUL	MORGANTOWN..... WV
9.825/4.825	DOC	ATLANTA..... GA
	Q	SALEM ..... KY
	DSN	AMORY..... MS
	UY	MT AIRY/FSH PK ..... NC
	FC	MEMPHIS..... TN
	BGK	NASHVILLE..... TN
	ZBP	STAUNTON ..... VA
9.85 /4.85	BZJ	DALTON..... GA
	UM	MIDWAY ..... GA
	YUU	LEXINGTON ..... KY
	NI	NEBO..... KY
	DU	INDIANOLA..... MS
	WRE	POPLARVILLE ..... MS
	CQ	CHARLOTTE..... NC
	GMP	WILMINGTON..... NC
	NDQ	NORTON/HIGH KNOB VA
	ARO	RICHMOND ..... VA
	KOU	VIENNA..... VA
9.875/4.875	ELV	CONYERS..... GA
	DW	RALEIGH..... NC
	LRD	CHATTANOOGA ..... TN
	BOX	JACKSON..... TN
	AKM	NASHVILLE..... TN
	WTP	BIG "A" MTN..... VA
9.90 /4.90	IVB	CORBIN ..... KY
	YWH	HIGHLAND HEIGHTS KY
	D	ACKERMAN..... MS
	DWT	ASHEVILLE..... NC
	JMS	NEW BERN..... NC
	J	WILSON..... NC
	MMI	MEMPHIS..... TN
	MMI	RAMER ..... TN
	IDG	WATERTOWN..... TN
	CQK	FANCY GAP..... VA
	FQR	WOODBRIDGE ..... VA
9.925/4.925	NNO	ATLANTA..... GA
	PJR	JESUP..... GA
	MKG	ASHLAND..... KY
	WZH	GLASGOW ..... KY
	PYQ	SOUTHAVEN ..... MS
	TTE	VICKSBURG..... MS
	UMO	#GREENVILLE..... NC
	XRY	MT. AIRY ..... NC
	BUH	ANDERSON/SAS MT.. SC
	JMT	GEORGETOWN ..... SC
	VIH	DOVER..... TN
	CLA	PIGEON FORGE..... TN
	BON	ROANOKE/LONG RDG
VA		
9.95 /4.95	I	AUGUSTA ..... GA
	MU	PERRY ..... GA
	EJA	LEXINGTON ..... KY
	WXL	DALLAS/CHARLOTTE NC
	PBC	CHARLESTON..... SC
	SIR	BENTON/BEAN MT ..... TN
	GP	CLARKSVILLE ..... TN
	NNE	MEMPHIS..... TN
	WRN	STAUNTON ..... VA
	KXV	VIRGINIA BEACH..... VA
	CQV	SO. CHARLESTON .....
WV		
9.975/4.975	YNZ	ATLANTA..... GA
	TVE	BRUNSWICK..... GA
	TAT	ASHLAND..... KY
	CWF	NICHOLASVILLE..... KY
	AGD	JACKSON ..... MS
	VDI	ASHEBORO..... NC
	ZTJ	POLKVILLE..... NC
	LP	MORRISTOWN..... TN
	AKM	NASHVILLE..... TN
	AZJ	PEARISBURG ..... VA
2.075/7.075	GYM	COLUMBIA..... SC
3.375/8.375	HTA	CHANTILLY ..... VA
3.85 /8.85	YSV	WALUSKA/PINE LOG . GA
3.975/8.975	SDE	WOODFORD ..... VA
4.175/9.175	O	WINCHESTER ..... VA
4.225/9.225	JCE	MANASSAS ..... VA
4.60 /9.60	SJH	SPRINGFIELD..... KY
4.725/9.725	KHP	LORTON ..... VA
4.775/9.775	KHP	FAIRFAX..... VA
4.825/9.825	DOC	ATLANTA ..... GA
	KHP	SPRINGFIELD..... VA
4.875/9.875	DCS	ARLINGTON ..... VA
	DCS	WOODBRIDGE ..... VA
4.925/9.925	TSC	BLUEMONT ..... VA
6.25 /1.25	GVK	ALEXANDRIA ..... VA
	HEX	LYNCHBURG ..... VA
7.25 /ACON	NEQ	ATLANTA/MARIETTA ..... GA
920 MHZ		
2.28 /EACON	MW	MEMPHIS..... TN
7.10 /9.10	BZJ	DALTON..... GA
7.60 /9.60	CCF	ALEXANDRIA ..... VA
8.80 /0.80	LP	MORRISTOWN..... TN
8.90 /0.90	TT	ROANOKE..... VA
9.00 /1.00	OSI	FOREST..... VA
9.10 /1.10	ZMS	LYNCHBURG ..... VA
0.25 /3.25	ZGA	NASHVILLE ..... TN
1270 MHZ		
7.25 /9.25	MEY	NASHVILLE ..... TN
0.60 /2.60	CCF	ALEXANDRIA ..... VA
1.02 /1.02	DBB	ROANOKE/POOR MTN
VA		
1.40 /1.40	DOC	ATLANTA NORTH ..... GA
2.00 /2.00	KIN	ATLANTA/BELL ..... GA
	MW	MEMPHIS..... TN
	S	TYSONS CORNER ..... VA
2.10 /2.10	LEW	MCLEAN..... VA

SERA REPEATER INDEX LISTINGS BY CITY - BY STATE

GEORGIA REPEATERS

10 METERS

ALBANY	W4MM	29.58	29.68	N	L
ATL/MARIETTA	N4NEQ	29.54	29.64	*	L
DALTON	N4BZJ	29.58	29.68	*	AL

6 METERS

ATL/MARIETTA	N4NEQ	52.09	53.09	*	L
AUGUSTA	K4EDU	52.03	53.03	*	
CARTERSVILLE	WB4AEG	52.07	53.07	N	PR
CONYERS	WB4JEH	52.55	53.55	*	
DALTON	N4BZJ	52.13	53.13	*	PR
JULIETTE	KC4ZIZ	52.43	53.43	N	
PINE LOG MT	WB4UPC	52.05	53.05	N	L
PINE LOG MT.	KE4PN	52.29	53.29	*	L
VALDOSTA	KB0Y	52.89	53.89	N	

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	PL
ADEL	KF4JF	144.53	145.13	N	
ALBANY	W4MM	144.55	145.15	N	L
ALBANY	W4MM	146.10	146.70	N	A
ALBANY	W4MM	146.13	146.73	N	
ALBANY	W4MM	146.22	146.82	N	
ALBANY	W4MM	147.72	147.12	N	K
ALBANY	WB4TFW	147.75	147.15	N	
AMERICUS	WD4EBB	147.87	147.27	N	B
ASHBURN	WD4EVD	147.885	147.285	*	P
ATHENS	WA4BKF	146.145	146.745	*	P
ATHENS/CRAWFORD	K4TQU	147.975	147.375	*	
ATL/UNION CITY	WA4UPE	146.025	146.625	*	
ATLANTA	W4AQL	144.55	145.15	N	PEB
ATLANTA	K4DRQ	144.69	145.29	*	B
ATLANTA	W4DOC	144.75	145.35	N	
ATLANTA	W4DOC	144.75	145.35	*	
ATLANTA	WB4QGR	146.04	146.64	N	T
ATLANTA	W4DOC	146.22	146.82	*	EP
ATLANTA	K4CLJ	146.37	146.97	*	T
ATLANTA	WA4NNO	146.40	147.00	N	P
ATLANTA	K4YSB	147.705	147.105	N	Y
ATLANTA	KN4B	147.795	147.195	N	T
ATLANTA	WD4KDT	147.855	147.255	*	BELP
ATLANTA/AIRPORT	W4REI	147.63	147.03	N	
ATLANTA/BELL	W4PME	144.81	145.41	*	BEP
ATLANTA/GPCO	WA4VBX	147.885	147.285	*	
ATLANTA/MARIETTA	N4NFP	146.055	146.655	*	ABLT118.8
ATLANTA/MARIETTA	N4NEQ	147.945	147.345	*	ELRP118.8
ATLANTA/SWEAT MT	KD4NC	146.13	146.73	N	LK
AUGUSTA	W4TUN	144.51	145.11	N	A
AUGUSTA	N4TDL	144.69	145.29	*	
AUGUSTA	AA4UA	144.77	145.37	*	A
AUGUSTA	W4DV	144.89	145.49	*	AB
AUGUSTA	W4LWT	146.04	146.64	*	K
AUGUSTA	KT4N	146.34	146.94	N	
AUGUSTA	NA4I	146.385	146.985	*	BELP
AUGUSTA	NI4S	147.72	147.12	N	P
AUGUSTA	N4BMA	147.78	147.18	N	Y
BALDWIN	WD4NHW	147.78	147.18	*	A
BONAIRE	KM4DT	147.615	147.015	N	
BOSTON	W4UCJ	147.795	147.195	*	ABE
BRNSWK/JEKYLL IS	KB4PXX	144.81	145.41	*	
BRUNSWICK	K4TVE	146.13	146.73	N	A
CALHOUN/JASPER	KC4AQS	147.405	146.805	*	PLBR
CARROLLTON	W4FWD	146.04	146.64	*	BET131.8
CARTERSVILLE	N4GIS	146.415	147.015	*	
CEDARTOWN	W4CMA	147.72	147.12	*	P
CLARKESVILLE	K4HCA	147.72	147.12	*	PR
CLAYTON	WA4BLQ	144.65	145.25	*	
CLEVELAND/LONG	WB4HIG	146.31	146.91	*	A
COCHRAN	N4MXC	144.51	145.11	*	ABE
COLUMBUS	KA4CEK	144.71	145.31	N	
COLUMBUS	W4CVY	146.01	146.61	*	A
COLUMBUS	W4CVY	146.28	146.88	*	
CONYERS	WB4JEH	144.63	145.23	*	
CONYERS	WB4JEH	146.01	146.61	*	T151.4
CONYERS	N4EMM	147.81	147.21	*	PEB
COOLIDGE	N4JBF	144.57	145.17	N	PR
CORDELE	WA4RWS	144.89	145.49	*	
COVINGTON	WA4ASI	146.325	146.925	*	AL
COVINGTON	WA1KMS	147.87	147.27	*	
CUMMING/SAWNEE	K4BYK	147.75	147.15	*	PL
DAHLONEGA	N4KHQ	147.435	146.835	*	A

MORE GEORGIA REPEATERS

DALLAS	K4DVJ	146.25	146.85	N	PE
#DALLAS	WD4LUQ	147.495	146.895	*	UNCOORD.
DALTON	KE4UJ	144.63	145.23	N	A
DALTON	N4BZJ	147.735	147.135	*	ELT100.0
DECATUR	W4BOC	144.85	145.45	N	
DOUGLASVILLE	N4UOX	144.51	145.11	*	P
DOUGLASVILLE	WA4CLC	147.96	147.36	*	
DUBLIN	WA4HZX	147.96	147.36	N	A
EASTMAN	K4KEC	144.61	145.21	*	
EATONTON	KC4YHM	147.69	147.09	*	AE
ELBERTON	N4UJT	146.025	146.625	N	
#ELLIJAY-BUCK MT.	N4YYD	144.65	145.865	*	UNCOORD.
ELLIJAY/TALONA M.	W4HHH	146.385	146.985	*	AB
FAYETTEVILLE	W4PSZ	144.61	145.21	*	PE
FAYETTEVILLE	K4UWN	146.085	146.685	*	
FOLKSTON	K4DMK	146.19	146.79	N	
FORSYTH	W4STJ	147.315	147.915	N	NB
FORSYTH	KB4KIN	147.765	147.165	*	PL
GAINESVILLE	W4NSO	146.07	146.67	*	PET131.8
GRIFFIN	K4HYB	144.79	145.39	*	P
GRIFFIN	K4HYB	146.31	146.91	*	
HARTWELL	WA4RBS	146.295	146.895	N	B
HINESVILLE	KK4UV	144.87	145.47	*	AB
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	KB4IZF	144.77	145.37	N	RPLB
JASPER	W4OOM	146.10	146.70	*	
JEFFERSON	KB4ZUN	147.825	147.225	N	
JESUP	WA4EQL	146.07	146.67	N	
JESUP	N4PJR	146.325	146.925	*	P
JESUP/SCREVEN	N4PJR	147.945	147.345	*	
JONESBORO	WA4DIW	144.57	145.17	*	E
JONESBORO	WA4OGE	144.73	145.33	*	E
JULIETTE	KD4IEZ	146.205	146.805	*	ET100.0
KIBBEE	K4HVK	146.22	146.82	N	A
LAFAYETTE	KB4VAK	147.975	147.375	*	A
LAGRANGE	WB4BXO	147.93	147.33	N	
LAVONIA	K4NVG	146.115	146.715	*	BEPT100.0
LAWRENCEVILLE	WD4JXR	147.675	147.075	*	EP
MACON	WB4OLL	144.83	145.43	*	PLR
MACON	W4BKM	146.06	146.66	*	NBP
MACON	N3SM	146.295	146.895	*	AT151.4
MACON	WA4DDI	147.66	147.06	N	T
MADISON	WB4DKY	146.265	146.865	N	A
MARIETTA	K4LCI	144.83	145.43	N	E
MARIETTA	WA4QPL	144.89	145.49	*	PE
MARIETTA	N4NFP	146.175	146.775	*	BLPT118.8
MARIETTA	W4IUD	146.28	146.88	*	
METTER	W4TYM	147.645	147.045	N	ABE
MIDWAY	KF4UM	147.615	147.015	*	O
MILLEDGEVILLE	KF4IJ	144.55	145.15	N	PT
MILLEDGEVILLE	WB4DOJ	146.10	146.70	*	EL
MILLEDGEVILLE	K4FRM	147.735	147.135	*	
MORGANTON	K5GBS	146.475	147.075	N	
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13	*	BP
NEWNAN	K4SEX	146.19	146.79	*	BP
PEMBROKE	WB4CJB	147.675	147.075	N	A
PERRY	KB4KIN	146.355	146.955	*	PL
PERRY	AC4MU	147.90	147.30	*	ABER
PINE MT/HAMILTON	WB4ULJ	144.59	145.19	N	
PRESTON	WB4TOV	146.385	146.985	N	
QUITMAN	W4FGH	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
ROCHELLE	WB4OQX	146.40	147.00	*	B
ROCKY TOP MT	K5PRE	146.355	146.955	N	
ROME	WB4YSV	147.90	147.30	N	
ROME/MT. ALTO	W4VO	146.34	146.94	*	P
ROSSVILLE	W4FGQ	144.75	145.35	*	
ROSWELL	N4CLA	147.66	147.06	*	PE
SANDERSVILLE	N4CGV	144.67	145.27	N	P
SAVANNAH	KK4TO	146.10	146.70	*	PE
SAVANNAH	W4HBB	146.28	146.88	N	AB
SAVANNAH	W4HBB	146.37	146.97	N	AB
SAVANNAH	KK4TO	147.81	147.21	*	PE
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
ST. MARYS	KA4UUB	146.385	146.985	N	
STATESBORO	NC4D	147.705	147.105	N	
STOCKBRIDGE	WA4JDR	144.71	145.31	N	
STONE MT	W4BOC	146.16	146.76	N	
SUMMERVILLE	KA4LVY	147.825	147.225	*	A
SWAINSBORO	K4VYX	146.19	146.79	N	O
SWEAT MT/MARIETT	N4CLA	144.87	145.47	*	PE
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	*	
THOMSON	KC4GSS	146.235	146.835	*	A
TOCCOA	KA4DIP	147.93	147.33	*	
TWIN CITY	N4REB	147.915	147.315	N	PR
VALDOSTA	N4ELN	146.16	146.76	N	PT
VALDOSTA	KB0Y	147.735	147.135	N	A
VIDALIA	N4JWP	146.025	146.625	*	A
WALESKA/PNLGMT..	KE4PN	144.67	145.27	*	L
WARM SPRINGS	KN4FE	146.385	146.985	N	BE
WARNER ROBINS	WB4BDP	146.01	146.61	*	A
WARNER ROBINS	WA4QWI	146.25	146.85	*	P
WATKINSVILLE	N4NFA	147.645	147.045	N	RPEL
WAYCROSS	KD4CEX	146.04	146.64	*	A
WAYNESBORO	WD4COL	144.63	145.23	N	
WRENS	KB4NA	146.175	146.775	*	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	AL

220 MHZ

ACWORTH	N4MTA	223.72	224.32	N	BP
ALPHARETTA	KC4JNN	223.26	224.86	*	ABELRT100.
ATL/CHESTNUT MT.	W4DOC	222.96	224.56	N	L
ATL/MARIETTA	N4NEQ	222.84	224.44	*	BLRPT118.8
ATLANTA	N4BLR	222.88	224.28	N	
ATLANTA	W4DOC	222.74	224.34	*	
ATLANTA	W4DOC	222.96	224.56	*	
ATLANTA	KK4C	223.22	224.82	N	PLR
ATLANTA-NE	KC4OVY	222.60	224.20	N	BEP
ATLANTA/BELL	W4ZTL	223.02	224.62	*	
ATLANTA/MARIETTA	N4NFP	222.52	224.12	*	ABLT118.1
AUGUSTA	AA4UA	222.60	224.20	*	A
AUGUSTA	WB4KXO	223.34	224.94	*	P
BALDWIN	WS4F	222.50	224.10	*	
BRUNSWICK	N3GLC	222.58	224.18	N	
CARTERSVILLE	N4GIS	223.00	224.60	*	
CLAYTON	WD4MBK	223.12	224.72	*	
CLEVELAND	N4RBT	222.78	224.38	N	P
CONYERS	WB4JEH	222.54	224.14	*	
CUMMING	K4JSR	223.38	224.98	*	PL
DALLAS	N4YDX	222.58	224.18	*	BELP
DALLAS	N4YEA	223.94	224.54	N	BP
DALTON	N4BZJ	222.76	224.36	*	T88.5
DALTON	N4BZJ	223.08	224.68	N	
DALTON	N4KVC	223.14	224.74	*	ER
ELLIJAY-BUCK MTN.	N4YYD	222.64	224.24	*	BERP
HIRAM	KC4PZD	223.10	224.70	N	B
HIRAM	N4ZJG	223.36	224.96	*	ABL
MACON	W4BKM	223.06	224.66	*	
MARIETTA	N4NEQ	222.62	224.22	N	L
MARIETTA	KV4L	222.86	224.26	N	BP
MARIETTA	N4MTA	222.90	224.50	N	BP
MARIETTA	WA4QPL	223.30	224.90	*	PE
NORCROSS	KB4PRH	222.88	224.48	N	
PERRY	AC4MU	223.24	224.84	*	ABER
RINGGOLD	W4ABZ	223.04	224.64	N	P
ROCKMART	KC4KLW	223.18	224.78	*	
ROME	WB4YSV	222.82	224.42	N	
ROSSVILLE	KC4EV	223.34	224.94	N	
SASAFRAS MTN	KC4JNN	222.56	224.16	*	ABELT100.
STONE MT	W4BOC	223.16	224.76	N	
TEMPLE	KC4NYV	222.70	224.30	N	B
THOMASVILLE	N4JBF	222.72	224.32	N	AL
VALDOSTA	N4ELN	222.86	224.46	N	
WALESKA/PNLGMT..	N4KSM	222.92	224.52	*	A
YORKVILLE	WB4UPC	223.28	224.88	N	

440 MHZ

ALBANY	W4MM	439.25	427.25	N	V
ALBANY	W4MM	449.50	444.50	N	
ALPHARETTA	WB6RTH	447.00	442.00	N	AB
ATHENS	NB4X	448.30	443.30	N	
ATL/MARIETTA	N4NEQ	427.25	BEACON	*	VR
ATLANTA	KE4ZV	448.65	443.65	N	K
ATLANTA	W4DOC	444.825	449.825	N	NB
ATLANTA	WA4YNZ	447.975	442.975	*	TPL
ATLANTA	KD4LXT	448.875	443.875	N	BP
ATLANTA	W4DOC	449.45	444.45	*	
ATLANTA	W4DOC	449.45	145.67	N	R
ATLANTA	WB4UWL	449.50	444.50	*	
ATLANTA	N4WQ	449.625	444.625	N	AO
ATLANTA	W4DOC	449.825	444.825	*	
ATLANTA	WA4NNO	449.925	444.925	N	
ATLANTA	WA4YNZ	449.975	444.975	*	PTLR
ATLANTA/BELL	W4ZTL	449.15	444.15	*	BEP
ATLANTA/MARIETTA	N4NFP	448.80	443.80	*	BLPT118.8
ATLANTA/MARIETTA	N4NEQ	449.05	444.05	*	BT118.8
ATLANTA/MARIETTA	N4NEQ	449.775	444.775	*	ABLP118.8
ATLANTA/STONE MT	W4BOC	449.25	444.25	N	
ATLANTA/SWEAT MT	WA4NMF	447.725	442.725	*	T
AUGUSTA	AA4UA	449.40	444.40	*	
AUGUSTA	NA4I	449.95	444.95	*	
BALDWIN	WD4NHW	447.35	442.35	*	
BRNSWK/JEKYLL IS	KB4PXX	439.25	421.25	*	V
BRUNSWICK	KD4CPO	448.425	443.425	N	
BRUNSWICK	K4TVE	449.975	444.975	N	O
CALHOUN/JASPER	KC4AQS	448.375	443.375	*	BP
CHATSWORTH	N4OGF	448.00	443.00	N	
#CLARKESVILLE	K4HCA	447.425	442.425	*	UNCOORD.
CONYERS	WB4JEH	447.55	442.55	*	T151.4
CONYERS	WB4JEH	449.55	444.55	*	T151.4
CONYERS	N4EMM	449.75	444.75	N	PL
#CONYERS	KC4ELV	449.80	444.80	*	UNCOO
CONYERS	KC4ELV	449.875	444.875	N	BLP
COVINGTON	KL7TF	448.75	443.75	*	B
COVINGTON	KD4QOW	449.175	444.175	N	P
COVINGTON	WA1KMS	449.60	444.60	*	
COVINGTON	WA4ASI	449.80	444.80	*	ALT88.5
DACULA	KK4IN	448.55	443.55	*	ALR
DALLAS	WD4LUQ	449.70	444.70	*	BT77
DALTON	N4BZJ	449.85	444.85	*	
DECATUR	N3APR	447.20	442.20	N	A
DECATUR	KA4UFM	448.95	443.95	N	BEP
DECATUR	WB4LBM	449.20	444.20	N	
DOUGLASVILLE	N4AQG	449.575	444.575	*	B
DULUTH	N2NOG	447.30	442.30	N	BELP
DUNWOODY	W4QO	447.15	442.15	N	
DUNWOODY	W4QO	448.15	443.15	N	
EATONTON	KC4YHM	447.925	442.925	*	
ELLIJAY	W4HHH	447.70	442.70	*	C
ELLIJAY-BUCK MTN.	N4YYD	448.35	443.35	*	BEORP
GAINESVILLE	W4NSO	447.625	442.625	*	PET88.5
GRIFFIN	WB4DEB	448.90	443.90	N	PT
HAMILTON	WB4ULJ	449.40	444.40	N	BPR
HAMPTON	WB4DEB	448.125	443.125	N	
HAMPTON	N4RDM	448.40	443.40	N	PRP
HIGH HOUSE MTN	KD4APP	448.20	443.20	*	BL
HIGH PT/LOOKT MT	KB4VAK	448.45	443.45	*	ABRT88
JASPER	KB4MDE	448.425	443.425	N	
JASPER	KB4IZF	449.375	444.375	N	BPLR
JESUP	N4PJR	449.925	444.925	*	
JONESBORO	N4QCP	448.225	443.225	N	
LAVONIA	K4NVG	447.475	442.475	*	PB
LAWRENCEVILLE	WB4QDX	449.00	444.00	N	
LAWRENCEVILLE	KC4LU	449.40	444.40	*	B
MACON	K4VTT	447.275	442.275	*	ABELT1
MACON	N4IWK	447.875	442.875	N	P
MACON	W4BKM	449.10	444.10	N	
MACON	K4VTT	449.275	444.275	N	
MARIETTA	N4MTA	448.500	443.50	N	BP
MARIETTA	KM4BA	448.60	443.60	N	PT
MARIETTA	KM4BA	448.70	443.70	N	
MARIETTA	KM4BA	449.325	444.325	N	PTO
MIDWAY	KF4UM	449.85	444.85	*	A
MILLIDGEVILLE	N4EMM	447.75	442.75	*	RP
NEWNAN	N4EBZ	449.675	444.675	*	P
PERRY	AC4MU	449.95	444.95	*	
RINGGOLD	WA4LJU	448.925	443.925	N	
ROCKMART	KC4KLW	448.275	443.275	*	ABT179.
ROCKMART	KC4KLW	448.525	443.525	*	
ROCKY FACE	AA4EO	447.175	442.175	N	
ROSSVILLE	N4PLP	447.125	442.125	N	C
SAVANNAH	WA4VHP	439.25	426.25	*	ABV
SAVANNAH	KC4AZU	447.70	442.70	N	C
SAVANNAH	WD4AFY	449.00	444.00	N	B
SMYRNA	N4IBW	449.65	444.65	N	
STOCKBRIDGE	N4JMD	448.325	443.325	N	PTR
STOCKBRIDGE	N4JMD	448.325	443.325	N	PTL
STONE MT	N4MSE	449.025	444.025	N	
SWEAT MT/MARIETT	N4CLA	449.475	444.475	*	EP
TIFTON	KF4JF	449.35	444.35	N	
VALDOSTA	N4ELN	449.70	444.70	N	T
WALESKA/PNLOG MT	WB4YSV	448.85	443.85	*	L
WALUSKA/PINE LOG	WB4YSV	443.85	448.85	N	NB
WARM SPRINGS	N4UER	447.40	442.40	N	BE
WATKINSVILLE	N4NFA	449.725	444.725	N	RPEL

920 MHZ

DALTON	N4BZJ	907.10	919.10	*	PR

1270 MHZ

ATLANTA NORTH	W4DOC	1271.40	1291.40	*	
ATLANTA/BELL	KB4KIN	1272.00	1292.00	*	

KENTUCKY REPEATERS

6 METERS

GUTHRIE	KA4ZKL	52.23	53.23	N	C
LOUISVILLE	WB4LBR	53.025	52.025	N	NB
STANTON	WD4KNE	52.81	53.81	N	P

2 METERS

ASHLAND	KD4SN	146.34	146.94	*	P
ASHLAND	KA4DII	147.84	147.24	N	P
ASHLAND	WA8KWH	147.93	147.33	N	A
BARDSTOWN	N4SRT	144.87	145.47	*	
BAXTER	WM4H	147.78	147.18	N	A
BENTON	WG4U	147.72	147.12	N	
BEREA	KI4B	146.115	146.715	N	
BETSY LAYNE	WA4YCU	146.035	146.635	N	
BOWLING GREEN	WD4MNI	146.055	146.655	*	PER
BOWLING GREEN	KA4CLL	146.25	146.85	N	
CALVERT CITY	KA4KFD	147.705	147.105	N	AB

MORE KENTUCKY REPEATERS

CAMPBELLSVILLE	WA4UXJ	146.04	146.64	N	
CLARKSON	N4PXK	144.89	145.49	N	
CORBIN	WD4KWV	146.01	146.61	*	P
COVINGTON	WB8NON	144.81	145.41	*	O
COVINGTON	WB8NON	147.99	147.39	*	A
DANVILLE	WD4DZC	146.055	146.655	N	A
#DAWSON SPRINGS	N4STY	146.13	146.73	N	UNCOORD.
DEANE	AK4U	144.61	145.21	N	L
DIXON	N4IOX	147.855	147.255	N	CP
DORTON	WA4SWF	146.13	146.73	*	BR
ELIZABETHTOWN	W4BEJ	146.38	146.98	*	ABL
ELKHORN CITY	WB4WAU	147.60	147.00	N	
ERLANGER	N4BOP	144.61	145.21	N	
FAIR DEALING	N4AVE	147.84	147.24	N	
#FERN CREEK	WB4NSY	146.16	146.76	N	UNCOORD.
FRANKFORT	KC4KDZ	144.79	145.39	N	P
FRANKFORT	K4NGQ	147.075	147.675	N	
FRANKFORT	KC4AI	147.84	147.24	N	
GLASGOW	KF4DC	144.81	145.41	N	
GLASGOW	W4WZH	146.34	146.94	*	AB
GRAYSON	KF4JO	146.10	146.70	N	
GREENVILLE	WA4TTC	146.145	146.745	*	P
GRETHEL	KJ4VF	147.645	147.045	N	C
GUTHRIE	KA4NNE	146.205	146.805	*	L
HALLS GAP	WD8PRH	144.57	145.17	*	AL
HARLAN	WA4ZAC	147.69	147.09	N	
HAZARD	K4VHF	146.07	146.67	*	B
HENDERSON	W4KVK	144.89	145.49	N	
HENDERSON	K4DPP	146.37	146.97	N	
HIGHLAND HEIGHTS	W4YWH	146.19	146.79	*	
HIGHLAND HEIGHTS	K4CO	147.855	147.255	*	PT123.0
HOPKINSVILLE	WA4ZVL	147.63	147.03	*	A
INDEPENDENCE	K4JBV	146.295	146.895	*	A
IRVINGTON	WB4WVH	146.30	146.90	*	AE
#LA GRANGE	N4RBL	144.75	145.35	*	UNCOORD.
LA GRANGE	N4RBL	147.99	147.39	*	T151.4
LAWRENCEBURG	KK4PL	144.69	145.29	N	A
LEXINGTON	N4YUU	144.73	145.33	N	P
LEXINGTON	KC4TX	144.85	145.45	N	P
LEXINGTON	AC4AO	146.13	146.73	*	
LEXINGTON	K4KJQ	146.16	146.76	N	PE
#LEXINGTON	W4AUZ	146.34	146.94	N	UNCOORD.
LEXINGTON	WB4FDK	147.615	147.015	N	
LEXINGTON	WA4HBM	147.765	147.165	N	
LITCHFIELD	KB4NFK	147.825	147.225	*	
LONDON	KC4ZFH	147.885	147.285	N	CT
LOUISVILLE	WB8PRH	144.63	145.23	*	L
LOUISVILLE	W4BDC	146.10	146.70	*	PEL
LOUISVILLE	W4OAU	146.28	146.88	*	P
LOUISVILLE	W4PJZ	147.63	147.03	*	
BERPT151.4					
LOUISVILLE	N4NMC	147.67	147.07	*	BEP
LOUISVILLE	W4CN	147.78	147.18	*	PE
LOUISVILLE	N4KWT	147.87	147.27	N	
LOUISVILLE	KQ9Z	147.96	147.36	*	A
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MARION	KA4FGA	147.705	147.105	N	
MARION	KA4FGA	147.885	147.285	N	
MAYFIELD	WA4NAR	147.84	147.24	N	
MAYSVILLE	WA4WMM	144.87	145.47	*	BP
MAYTOWN	AK4U	146.28	146.88	N	PLR
MIDDLESBORO	W4PPM	146.175	146.775	N	
MONTICELLO	N4TLK	144.55	145.15	N	C
MOREHEAD	KJ4VF	144.53	145.13	N	CR
MOREHEAD	K4GFY	146.31	146.91	N	
MT. STERLING	WD4KNE	147.93	147.33	*	P
#MUHLENBERG CTY	WA4JSN	146.22	146.82	*	UNCOORD.
MURRAY	WB4NTB	146.34	146.94	*	A
NICHOLASVILLE	WB4CWF	144.89	145.49	N	PE
OWENSBORO	KN4KQ	146.085	146.685	*	ALR
OWENSBORO	NW4A	147.63	147.03	N	
OWINGSVILLE	N4TLP	147.675	147.075	*	A
OXFORD/LOUISVILLE	WD8PRH	144.63	145.23	*	AL
PADUCAH	K4CUW	146.16	146.76	N	
PADUCAH	W4WQ	147.66	147.06	N	
PAINTSVILLE	AK4U	146.19	146.79	N	PL
PAINTSVILLE	K4ICN	147.735	147.135	*	RL
PHELPS	KJ4YK	147.69	147.09	*	R
PIKEVILLE	N4IWZ	144.55	145.15	N	RPE
PIKEVILLE	KM4IV	146.25	146.85	N	ELR
PRESTONSBURG	WB4UBY	147.765	147.165	N	
PRESTONSBURG	AK4U	147.90	147.30	N	ERC
PRINCETON	W4KBL	146.07	146.67	N	
PROVIDENCE	N4IUI	147.93	147.33	N	
RABBIT HASH	WA4OCP	146.355	146.955	N	
RADCLIFF	W4BEJ	146.325	146.925	*	ABL41
RICHMOND	KO4YL	146.265	146.865	N	CP
SALEM	N4IL	147.915	147.315	*	P
#SALVISA	KC4ZOX	146.235	146.835	*	UNCOORD.
SCOTTSVILLE	KJ4GL	144.65	145.25	N	ACT100.0
SHELBYVILLE	KE4LR	147.60	147.00	*	BP
SOMERSET	N4AI	146.28	146.88	*	
SPRINGFIELD	WA4SJH	147.90	147.30	N	A
STANTON	WD8PRH	144.89	145.29	N	CL
STANTON	KC4TUK	146.37	146.97	N	ARC
UNION CITY (TN)	WA4YGM	146.10	146.70	*	
VANCEBURG	KC4TKI	146.175	146.775	*	P
VERSAILLES	WA4ZXK	146.13	146.73	N	O
WALTON	K4CO	147.975	147.375	*	
#WHTSBRG/PINE MT	WD4PDJ	147.99	147.39	N	UNCOORD.
WILLIAMSBURG	KG4M	147.60	147.00	N	
WINCHESTER	WB4ASZ	147.72	147.12	*	EP

220 MHZ

ASHLAND	KC4QK	222.34	223.94	N	
AUGUSTA	KC4UXD	222.32	223.92	N	PC
JARVIS	KB4PNG	223.38	224.98	N	ALR
LEXINGTON	WB8VMI	222.14	223.74	*	
LEXINGTON	AC4AO	222.82	224.42	*	
LEXINGTON	N4YUU	223.34	224.94	N	
LOUISVILLE	KA4MKT	222.70	224.30	N	
LOUISVILLE	KB4VEZ	222.82	224.42	*	P
LOUISVILLE	W4MOP	223.22	224.82	N	P
PIKEVILLE	WB4F	222.98	224.58	N	
PIKEVILLE	N4ETG	223.02	224.62	*	A
SOMERSET	N4AI	222.70	224.30	*	C ER
SOMERSET	N4AI	223.28	224.88	*	C
VERSAILLES	WA4ZXK	222.62	224.22	N	PER

440 MHZ

ASHLAND	KA4MKG	449.925	444.925	N	C
ASHLAND	WB4TAT	449.975	444.975	*	
BOWLING GREEN	WD4MNI	449.10	444.10	*	ACL
CORBIN	WB4IVB	449.90	444.90	*	R
DORTON	KJ4VF	448.25	443.25	N	CR
ELIZABETHTOWN	KE4NS	439.250	421.250	*	V
ELIZABETHTOWN	W4BEJ	449.80	444.80	*	ABL
GLASGOW	W4WZH	449.925	444.925	*	
GLASGOW/CVCTY	KF4DC	449.25	444.25	N	
GRETHEL	KJ4VF	449.525	444.525	N	
HAWESVILLE	KB4QFL	449.625	444.625		CP
HENDERSON	N9APA	449.50	444.50	N	
HIGHLAND HEIGHTS	K4CO	449.35	444.35	*	PT123.0
HIGHLAND HEIGHTS	W4YWH	449.90	444.90	*	C
JENKINS	KK4WH	449.30	444.30	N	PLRC
LA GRANGE	N4RBL	447.45	442.45	*	BCPT151.4
#LA GRANGE	N4RBL	449.40	444.40	*	UNCOORD.
LATONIA	AA4XV	447.40	442.40	N	P
LEWISPORT	KN4KQ	449.55	444.55	*	ALR
LEXINGTON	N4YUU	449.85	444.85	N	
LEXINGTON	WD4EJA	449.95	444.95	N	
LOUISVILLE	N4ORL	447.00	442.00	N	RP
LOUISVILLE	N4KWT	447.225	442.225	N	
LOUISVILLE	WA4MLF	447.50	442.50	*	ALT146.2
LOUISVILLE	KB4YJ	447.725	442.725	N	CT
LOUISVILLE	WD9EQC	448.50	443.50	N	
LOUISVILLE	KA4WTT	449.10	444.10	*	
BELPRT173.					
LOUISVILLE	WB4ZZD	449.30	444.30	N	
LOUISVILLE	W4MOP	449.50	444.50	N	P
LOUISVILLE	N4NMC	449.60	444.60	*	BEP
LOUISVILLE	WA4AUN	449.70	444.70	N	
LYNCH/BLACK MT	N4IZD	448.10	443.10	N	
MAYTOWN	AK4U	449.20	444.20	N	L
META	WB4UBY	448.50	443.50	N	
NEBO	AA4NI	449.85	444.85	N	C
NICHOLASVILLE	WB4CWF	449.975	444.975	N	CR
OAK LEVEL	NN2E	449.20	444.20	*	T173.8
OWENSBORO	WB4AOH	439.25	427.25	N	V
PHELPS	N4MVY	449.575	444.575	N	
PIKEVILLE	KC4VYX	449.675	444.675	N	
SALEM	WA4Q	449.825	444.825	*	
SPRINGFIELD	WA4SJH	444.60	449.60	N	
STANTON	N4VOS	447.075	442.075	N	CRP
UNION	KC4COV	449.175	444.175	*	AR

MISSISSIPPI REPEATERS

10 METERS

POPLARVILLE	WA5WRE	29.52	29.62	N	O

6 METERS

ELLISVILLE	N5DWU	52.01	53.01	*	

2 METERS

ABERDEEN	WB5USN	147.87	147.27	N	A
ACKERMAN	NO5N	147.72	147.12	N	
AMORY	KB5DWX	146.34	146.94	N	A
AMORY	KB5DSN	147.69	147.09	N	
BAY ST. LOUIS	K5GY	146.10	146.70	N	
BAY ST. LOUIS	K0VNO	146.25	146.85	N	
BILOXI	KC5IF	146.13	146.73	*	APER
BILOXI	K5TYP	146.19	146.79	N	AB
BOONEVILLE	WB5UVT	144.59	145.19	N	AB
BUDE	K5JMD	146.25	146.85	N	
CHATAWA	WB5GOJ	144.71	145.31	*	PR
CLEVELAND	K5BWW	146.25	146.85	N	
CLINTON	AA5JC	147.945	147.345	N	PR
COLUMBIA	KB5EZN	147.885	147.285	N	P
COLUMBUS	KA5LVU	144.83	145.43	N	A
COLUMBUS	N5NKZ	147.60	147.00	N	A
CORINTH	WB5VOJ	146.325	146.925	N	
CORINTH	K5UFH	146.40	147.00	N	
CORINTH	KB4CTS	147.885	147.285	N	
D'IBERVILLE	KC5IF	144.81	145.41	*	APER
ELLISVILLE	N5DWU	147.465	146.865	*	PLT
ESCATAWPA	W5OXA	147.825	147.225	N	L
FULTON	N5VGK	144.89	145.49	N	A
GREENVILLE	WA5MBA	146.22	146.82	N	A
GREENWOOD	KA5TQY	146.115	146.715	N	
GRENADA	WB5LVA	146.10	146.70	N	
GULFPORT	KA5CYR	144.73	145.33	*	ABE
GULFPORT	KA5VFU	147.975	147.375	*	L
HATTIESBURG	KA5NNX	144.77	145.37	N	
HATTIESBURG	W5CJR	147.96	147.36	*	
HERNANDO	K5VV	146.31	146.91	N	A
INVERNESS	WA5UDQ	147.78	147.18	N	
ISOLA	KC5OB	146.355	146.955	*	
IUKA	WB5MFK	146.25	146.85	N	A
JACKSON	N5NIL	146.04	146.64	*	E
JACKSON	W5AXQ	146.16	146.76	*	
JACKSON	K5QNE	146.28	146.88	*	ABE
JACKSON	KA5SBK	146.34	146.94	N	BET100.0
JACKSON	NC5Y	147.675	147.075	N	AT
JACNITO	WB5HKK	147.75	147.15	N	A
KOSCIUSKO	W5LWC	146.25	146.85	N	
LAUREL	N5KKG	146.01	146.61	*	A
LAUREL	WV5D	146.43	147.03	N	
LAUREL	KC5RC	147.855	147.255	N	
LOUISVILLE	KB5PKU	147.96	147.36	*	A
MAGEE	KG5MZ	146.22	146.82	N	TLC
MAGEE	KA5LNY	147.90	147.30	*	P
MCCOMB	K5JMD	146.34	146.94	N	A
MCHENRY	KA5CYR	147.93	147.33	*	B
MENDENHALL	K5HYE	144.51	145.11	*	O
MERIDIAN	W5DEJ	146.10	146.70	*	A
MERIDIAN	KA5MJM	146.37	146.97	N	RP
MONTICELLO	N5JHK	147.615	147.015	N	PR
MOOREVILLE	WB5NAY	146.04	146.64	N	A
NATCHEZ	W5KHB	146.085	146.685	*	
NATCHEZ	K5OCM	146.31	146.91	N	A
NATCHEZ	K5SVC	147.96	147.36	N	
NEW ALBANY	N5CAX	146.07	146.67	N	AB
NEW HEBRON	N5MRS	147.69	147.09	N	AEATLRB
OCEAN SPRINGS	W5LDD	147.63	147.03	*	AB
OLIVE BRANCH	KA5WMH	144.75	145.35	N	C
PASCAGOULA	N5AAY	146.28	146.88	N	A
PASCAGOULA	KB5KYB	146.37	146.97	N	
PEARL	N5III	147.75	147.15	N	
PETAL	N5LRQ	147.735	147.135	N	
PHILADELPHIA	N5EPP	147.93	147.33	*	
PICAYUNE	K5LFP	144.55	145.15	N	A
PONTOTOC	WB5NAY	147.98	147.38	N	
POPLARVILLE	WA5WRE	144.61	145.21	N	OA
PORT GIBSON	KE5WO	146.025	146.625	N	
PRENTISS	WB5UNA	147.99	147.39	N	
RICHTON	N5OCF	147.66	147.06	*	
SENATOBIA	KB5DMT	146.385	146.985	N	
SOUTHAVEN	N5PYQ	144.77	145.37	N	O
STARKVILLE	W5VZF	146.13	146.73	*	
TUPELO	AI5R	147.84	147.24	N	A
VICKSBURG	WJ5L	144.69	145.29	N	
VICKSBURG	WB5SXK	147.87	147.27	N	
WALLS	N5NBG	144.67	145.27	*	
WARSAW	N4DRL	147.825	147.225	*	
WATER VALLEY	WB5QFX	146.40	147.00	N	
WAYNESBORO	N5HXG	147.705	147.105	N	PR
WEST POINT	KO5S	146.19	146.79	N	A
WIGGINS	KB5DZJ	144.67	145.27	*	ABL
WINFIELD (AL)	KC4RNF	147.64	147.04	*	NB
WINONA	N5DHS	146.37	146.97	N	A

220 MHZ

ACKERMAN	NM5D	223.18	224.78	N	
ACKERMAN	NM5D	223.22	224.82	N	
BAY ST. LOUIS	K5GY	223.10	224.70	N	
BAY ST. LOUIS	K0VNO	223.28	224.88	N	
BILOXI	K5TYP	222.90	224.50	N	
ELLISVILLE	N5DWU	222.80	224.40	*	PL
GLEN	KA5RPB	223.92	224.52	N	
PASCAGOULA	KB5KYB	222.72	224.32	N	PR
PONTOTOC	KE5ST	223.30	224.90	N	

440 MHZ

ACKERMAN	NM5D	448.65	443.65	N	
ACKERMAN	NM5D	449.90	444.90	N	

MORE MISSISSIPPI REPEATERS

AMORY	KB5DSN	449.825	444.825	N	
CLERMONT HARBOR	WD5BJT	449.15	444.15	N	AL
ELLISVILLE	N5DWU	448.90	443.90	*	AE
GULFPORT	KA5CYR	449.25	444.25	*	ABE
HICKORY FLAT	W4ZCD	449.625	444.625	N	
HORN LAKE	KE5ST	449.65	444.85	N	
INDIANOLA	AB5DU	449.85	444.85	N	
JACKSON	KB5II	449.00	444.00	*	
JACKSON	KB5LCL	449.45	444.45	N	T141.3
JACKSON	KB5CO	449.60	444.60	N	PT
JACKSON	NC5Y	449.70	444.70	N	
JACKSON	KB5CO	449.80	444.80	*	
JACKSON	KA5AGD	449.975	444.975	N	
LAUREL	AJ0X	448.50	443.50	*	ABER
MENDENHALL	K5HYE	448.60	443.60	*	BR
MERIDIAN	WA5WUX	449.10	444.10	N	PEL
MERIDIAN	KB5LTW	449.40	444.40	N	BER
NATCHEZ	N5IAT	448.80	443.80	N	A
NEW ALBANY	WB5YCR	449.15	444.15	N	O
NEW HEBRON	N5MRS	449.525	444.525	N	A
POPLARVILLE	WA5WRE	449.85	444.85	N	
RICHTON	N5OCF	449.625	444.625	*	RP
SOUTHAVEN	N5PYQ	449.925	444.925	N	
STARKVILLE	W5VZF	449.75	444.75	*	PR
VICKSBURG	WB5TTE	449.925	444.925	N	PR

NORTH CAROLINA REPEATERS

10 METERS

BALD CREEK	N1BEC	29.56	29.66	*	
NEWPORT	K4GRW	29.56	29.66	N	PR
WILKESBORO	KC4XE	29.52	29.62	*	L
WILSON	WD4IDA	29.54	29.64	N	
WILSON	WB4IUY	29.58	29.68	N	

6 METERS

BALD CREEK	N1BEC	52.03	53.03	*	
GRANDFATHER MTN	WA4PXV	52.05	53.05	*	RL
MARS HILL	WB4PLA	52.09	53.09	*	CP
NEWPORT	K4GRW	52.01	53.01	N	PR
RALEIGH	WA4PEN	52.03	53.03	*	O
RALEIGH/BUTNER	WB4RZF	52.25	53.25	N	C
ROCKY MOUNT	N4YTU	52.59	53.59	N	
SAURATOWN MT	N4QLX	52.21	53.21	N	
STATESVILLE	WA4WRS	52.67	53.67	*	C
THOMASVILLE	K4AZA	52.525	52.525	*	RB
WILSON	WB4IUY	52.07	53.07	N	

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	*	A
AHOSKIE	WA4ZGQ	146.31	146.91	*	P
ALBEMARLE	K4OGB	146.385	146.985	*	A
ANDREWS/ROBBINSV	K4AIH	146.445	147.045	*	BELP
AQUADALE	WA4CHZ	147.99	147.39	*	
ASHEBORO	KJ4AV	147.855	147.255	*	PL
ASHEVILLE	WA4QCO	146.235	146.835	N	
ASHEVILLE	N4UQS	147.825	147.225	*	A
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	*	T151.4
ASHVL/SPIVEY MT	W4MOE	146.31	146.91	*	A
BAKERSVILLE	KC4WPM	144.71	145.31	*	ABE
BALD CREEK	N1BEC	147.645	147.045	*	
BEULAVILLE	N4VBH	144.63	145.23	*	A
BOONE/RICH MTN	WA4KDB	147.96	147.36	*	A
BREVARD	K4GBH	147.735	147.135	*	P

SERA REPEATER SYMBOLS

*	Full Member Supporter	M	T-MARC Terr. Repeater
D	Delinquent Membership	NB	Not on SERA Freq. Plan
N	Non-Member SERA	O	Off the Air Temporarily
A	Autopatch (Open)	P	Private Autopatch
B	Emergency Power	PR	Proposed Coordination
C	Under Construction	R	Remote Base System
E	Emergency Autopatch	T	Tone Accessed
K	Packet Operation	V	Television (SSTV/ATV)
L	Linked Repeater	Y	RTTY Operation

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but it does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K". For tone-accessed repeaters, the codes column contains the tone or access code only for those repeaters which the owner or trustee has given us written permission to publish.
Entries with "#" in front of the city indicate repeaters added to this index that have not been coordinated through the local SERA state coordinator. Work with your coordinator to get this indicator removed.

BURGAW	W4DLH	146.34	146.94	*	
BURLINGTON	WA4YGD	146.07	146.67	*	A
BURLINGTON	WA4HBQ	147.675	147.075	N	E
BURNSVILLE	N4YN	147.975	147.375	N	A
CARTHAGE	W4NIW	147.84	147.24	*	PK
CHARLOTTE	W4BFB	144.63	145.23	*	
CHARLOTTE	W4BFB	144.69	145.29	*	A
CHARLOTTE	WA4AOS	144.75	145.35	N	L
CHARLOTTE	W4BFB	146.34	146.94	*	A
CHARLOTTE	W4CQ	146.46	147.06	*	A
CHARLOTTE	WD4PLY	147.99	147.39	N	P
CHERRY MT	WA4BKU	146.07	146.67	*	
CLINTON	WA4LZD	146.19	146.79	N	
COLUMBIA	KB4TOH	144.51	145.11	N	ABEL
CONCORD/KANNAP	K4CEB	146.055	146.655	*	PB
CROWDERS MT/GAST	WD4PLY	144.85	145.45	N	
DUNN	N4CID	146.10	146.70	*	P
DURHAM	WA4WTX	144.85	145.45	*	AL
DURHAM	WA4BFT	146.34	146.94	N	A
DURHAM	WD4LDB	147.96	147.36	*	A
EDEN/STONEVILLE	WA4QBG	147.99	147.39	*	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
FAYETTEVILLE	N4EWG	146.205	146.805	N	
FAYETTEVILLE	WA4FLR	146.445	147.045	N	Y
FAYVLLE/CFARS	WB4YZF	146.31	146.91	*	P
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	*	
FOREST CITY	K4PBG	147.84	147.24	*	AT123.0
FRANKLIN	W4ZCZ	144.89	145.49	N	
FRANKLIN	W4GHZ	147.84	147.24	*	T151.4
GAST/SPCR MT	W4REW	147.72	147.12	*	A
GASTONIA	N0IZF	146.205	146.805	*	ABELR
GIBSONVILLE	AC4DZ	144.89	145.49	*	ART103.5
GOLDSBORO	K4CYP	146.25	146.85	*	PT
GREENSBORO	N4GGD	144.65	145.25	*	E
GREENSBORO	N4GGD	144.69	145.29	*	R
#GREENSBORO	N4QAA	144.71	145.31	N	UNCOORD.
GREENSBORO	K4SNI	146.01	146.61	*	A
GREENSBORO	N4GGD	146.16	146.76	*	AER
GREENSBORO	W4GG	147.63	147.03	*	PL
GREENSBORO	W4BUZ	147.81	147.21	N	B
GREENVILLE	WD4JPQ	144.75	145.35	*	ABEL
#GREENVILLE	KC4UMO	147.905	147.305	N	UNCOORD.
GREENVILLE	K4ROK	147.975	147.375	N	A
GREENVL/ESTN NC	W4GDF	147.69	147.09	*	
GRIFTON	W4NBR	146.085	146.685	*	
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/BERWLW M	WA4KNI	144.67	145.27	*	A
HENDSVL/PENIC/MT	WA4KNI	147.855	147.255	*	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	*	
HIGH POINT	N4XO	144.81	145.41	*	A
HIGH POINT	N4NNR	147.435	146.835	*	PL
HIGH POINT	WA4RIS	147.765	147.165	*	P
HILLSBOROUGH	WA4WTX	147.825	147.225	*	AL
JACKSONVILLE	WA4WGA	144.59	145.19	*	B
JACKSONVILLE	WD4FVO	146.40	147.00	*	AE
JEFFERSON	W4YJG	147.90	147.30	*	A
KINSTON	W4OIX	144.87	145.47	*	A
LAURINBURG	KI4RR	146.025	146.625	*	PE
LENOIR	N4NIN	147.795	147.195	*	
LENOIR/HIBRITN	KN4K	147.93	147.33	*	
LEXINGTON	WD4ICX	144.71	145.31	N	AE
LEXINGTON	K4IZM	146.31	146.91	*	AE
LK NORMN/CLT	WB4KPF	147.615	147.015	N	P
LUMBERTON	KS4S	147.96	147.36	*	P
MACO	WA4LED	147.66	147.06	*	P
MADISON	KA4YFF	146.295	146.895	N	
MAGGIE VALLEY	W4HCY	147.405	146.805	N	O
MANTEO/WANCHESE	KC4VM	146.34	146.94	*	AL
MARION	WD4PVE	146.385	146.985	N	A
MIDWAY	KM4AR	144.67	145.27	*	
MILLERS CREEK	N4GGN	146.115	146.715	*	A
MONROE	K4JCK	147.705	147.105	N	O
MONROE/UCARS	KF4NJ	144.79	145.39	*	P
MORGANTON	K4VLY	147.75	147.15	*	
MOUNTAIN HOME	K4GHH	147.705	147.105	*	
MT AIRY	AC4NZ	146.34	146.94	*	
MT AIRY	N4XRY	146.37	146.97	*	
MT MITCHELL	WA4BVW	144.59	145.19	*	
MT. AIRY	KD4J	144.73	145.33	*	A
MURPHY	KC4WB	147.795	147.195	N	O
MURPHY/STALCUP	K4FOY	147.465	146.865	*	
N. WILKESBORO	N4AGN	144.77	145.37	*	P
NAGS HEAD/BODIE	K4UOR	146.235	146.835	*	AE
NEW BERN	WD4JMS	146.01	146.61	N	AL
NEWPORT	K4GRW	144.85	145.45	*	ALO
NEWTON	AG4L	147.675	147.075	*	AER
NEWTON/ANDSN MT	W4ZQB	144.57	145.17	*	
OXFORD	KA4RVS	144.57	145.17	N	P
OXFORD	WA4MII	144.77	145.37	*	
RALEIGH	N4BQF	144.67	145.27	N	PL
RALEIGH	K4BWC	144.89	145.49	*	BY
RALEIGH	W4DW	146.04	146.64	*	BEP
RALEIGH	K4BWC	146.13	146.73	*	PB
RALEIGH	WB4TQD	146.28	146.88	*	L
RALEIGH	WB4TQD	147.75	147.15	*	P
RALEIGH BENSON	AK4H	147.87	147.27	*	P
RANDLEMAN/GBO	WD4CVM	144.55	145.15	*	L
RED SPRINGS	W4MZP	147.90	147.30	*	P
REIDSVILLE	K4YEC	146.25	146.85	*	L
ROANOKE RAPIDS	WA4DTS	147.63	147.03	*	P
ROARING GAP	WB4PZA	146.22	146.82	*	
ROCKINGHAM	K4PTB	146.355	146.955	*	ABE
ROCKY MOUNT	WN4Z	147.72	147.12	*	PE
SALISBURY	W4EXU	146.13	146.73	*	ELR
SANFORD	WB4EJJ	147.78	147.18	N	A
SAURATOWN MT	W4RXG	144.51	145.11	*	Y
SAURATOWN MT	W4NC	144.87	145.47	*	
SAURATOWN MT	N4QDK	146.19	146.79	*	EP
SAURATOWN MT	K4JYH	147.915	147.315	*	BP
SELMA	KK4YP	147.615	147.015	*	C BEP
SHALLOTTE	K4PPD	144.77	145.37	*	PE
SHALLOTTE	K4PPD	147.915	147.315	*	E
SHALLOTTE	N4FAU	147.99	147.39	*	PE
SHELBY	W4NYR	146.28	146.88	*	
SHELBY	W4NYR	147.945	147.345	*	P
SMITHFIELD	KD4JQ	146.37	146.97	*	A
SMITHFIELD	WB4IUY	147.99	147.39	*	ABE
SOUTHPORT	K4JYH	146.175	146.775	*	
SPARTA/GREEN MT	K4ITL	144.83	145.43	N	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	KB4QP	146.085	146.685	*	PE
STATSVL/ASBRY MT	KB4QP	147.645	147.045	*	Y
SWANSBORO	KO4S	146.16	146.76	*	A
TABOR CITY	W4DCD	147.975	147.375	N	ALR
THOMASVILLE	K4AZA	146.40	147.00	*	LA
TRENTON	WB4TQD	144.61	145.21	*	L
TRYON/MELROSE MT	WB4SFK	147.78	147.18	N	C
TUCKASEGEE	W8OMV	147.90	147.30	N	
WADESBORO	W4USH	146.235	146.835	*	A
WASHINGTON	WA4TEP	147.945	147.345	N	
WAXHAW	WA4ZRS	147.465	146.865	*	P
WAYNESVILLE	N4SM	147.87	147.27	*	A
WHITEVILLE	K4MSD	147.81	147.21	*	AL
WILLIAMSTON	KA4KNU	144.81	145.41	*	L
WILMINGTON	W4VNK	146.13	146.73	*	AB
WILMINGTON	K4GMP	146.22	146.82	*	BL
WILMINGTON	N4CTJ	147.78	147.18	N	AL
WILSON	WB4THL	146.16	146.76	*	A
WINSTON-SALEM	W4NC	146.04	146.64	*	AL
YADKINVILLE	N4XRY	146.415	147.015	*	
YAUPON BEACH	W4RPC	146.07	146.67	*	

220 MHZ

ANDREWS/ROBBINSV	K4AIH	223.28	224.88	*	TL
ASHEVILLE	NC4N	223.00	224.60	*	
ASHVL/MT PISGAH	WA4BVW	222.66	224.26	*	
BURNSVILLE	N4TFU	223.14	224.74	*	BL
CANTON	N4DWU	223.22	224.82	*	P
CHARLOTTE	W4BFB	222.80	224.40	*	A
CHERRYVILLE	K4JTX	223.36	224.96	*	O
EDEN	WA4WGY	223.18	224.78	*	ABER
FAYETTEVILLE	W4EHF	222.42	224.02	N	L
FAYETTEVILLE	W4EHF	222.96	224.56	N	
GOLDSBORO	WB3JVX	223.36	224.96	*	ELPT156.7
GREENSBORO	WB4WOR	222.54	224.14	*	K
GREENSBORO	KC4HTS	223.22	224.82	*	R
GRIFTON	WA4DAN	223.24	224.84	*	L
HENDERSONVILLE	N4UQS	223.36	224.96	*	
HENDSVL/BERWLW M	WA4KNI	222.64	224.24	*	
HIGH POINT	N4NNR	223.00	224.60	*	AL
#HILLSBOROUGH	WA4WTX	222.66	224.26	*	UNCOORD.
JACKSONVILLE	WA4WGA	222.72	224.32	*	C
LENOIR/HIBRITN	KN4K	222.56	224.16	*	
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68	N	
LOCUST	WA4ZIA	222.88	224.48	*	PL
MARS HILL	WB4PLA	223.06	224.66	*	L
MARSHALL	KA4TYO	222.76	224.36	N	L
MORGANTON	WB4PML	223.20	224.80	*	
MT MITCHELL	WA4BVW	222.94	224.54	*	
OXFORD	KA4RVS	223.14	224.74	N	
RALEIGH	WA4PEN	223.04	224.64	*	O PL
ROCKY MOUNT	NF4C	222.62	224.22	*	AR
ROCKY MOUNT	KC4FKC	222.98	224.58	N	A
SALISBURY	W4EXU	223.16	224.76	*	L
SAURATOWN MT	WA4YHH	222.98	224.58	*	
SAURATOWN MT	W4RXG	223.10	224.70	*	OY
SAURATOWN MT	W4RXG	223.28	224.88	*	O
SAURATOWN MT	WA4WTB	223.36	224.96	*	
SHELBY	KC4ZTJ	222.86	224.46	N	
SPINDALE	KC4IEV	222.84	224.44	*	CT146.3
STATESVILLE	WA4PVI	222.70	224.30	N	
SUNSET BEACH	AC4AM	223.06	224.66	*	
THOMASVILLE	K4AZA	222.74	224.34	*	LA
WILMINGTON	K4YNY	222.90	224.50	N	LR
WINSTON-SALEM	WA4YHH	223.04	224.64	*	RP

MORE NORTH CAROLINA REPEATERS

440 MHZ

AHOSKIE	WB4YNF	449.20	444.20	*	T
ANDREWS/ROBBINSV	K4AIH	448.65	443.65	*	BL
ARCHDALE	KC4SVQ	448.30	443.30	*	AR
ASHEBORO	KC4VDI	449.975	444.975	N	
ASHEVILLE	N4DWT	449.90	444.90	*	
BAKERSVILLE	KM4GR	447.75	442.75	*	C
BOSTIC	KC4YOQ	449.125	444.125	N	
BURLINGTON	AC4DZ	448.025	443.025	*	A
CHAPEL HILL	KZ1X	448.475	443.475	*	P
CHARLOTTE	W4PPN	439.25	421.25	*	V
CHARLOTTE	W4CQ	449.45	444.45	N	
CHARLOTTE	W4BFB	449.60	444.60	*	
CHARLOTTE	W4CQ	449.85	444.85	*	A
DALLAS/CHARLOTTE	WA1WXL	449.95	444.95	*	BLT136.5
DENVER/CLT	KA4YMY	449.70	444.70	*	
DURHAM	WA4WTX	449.10	444.10	*	AL
FAYETTEVILLE	WB4YZF	449.40	444.40	*	
FENDER MTN	N4OWU	449.375	444.375	N	
FOREST CITY	KC4YOQ	449.40	444.40	*	
GASTONIA	WB4BQG	449.15	444.15	*	ABELR
GASTONIA	WB4VTE	449.55	444.55	*	
GIBSONVILLE	WC3V	449.35	444.35	N	C
GOLDSBORO	WB3JVX	448.05	443.05	*	ELT156.7
GRANDFATHER MTN	WA4PXV	448.575	443.575	*	LR
#GREENSBORO	WB4GUG	447.225	442.225	*	UNCOORD.
GREENSBORO	WD4PQZ	448.50	443.50	N	ALR
GREENSBORO	WB4WOR	449.30	444.30	*	C
GREENVILLE	AI4J	449.80	444.80	N	
#GREENVILLE	KC4UMO	449.925	444.925	N	UNCOORD.
HAW RIVER	K2MZ	448.875	443.875	*	T
HENDSVL/BERWLW M	WA4KNI	449.25	444.25	*	
HICKORY	K4JEQ	449.00	444.00	*	
HICKORY	K4OLC	449.05	444.05	*	
HIGH POINT	N4LXW	448.70	443.70	N	
HIGH POINT	WA4RIS	448.90	443.90	*	
HIGH POINT	AC4DZ	449.025	444.025	*	A
JACKSONVILLE	WA4WGA	449.675	444.675	*	C
KANNAPOLIS	N4JEX	448.25	443.25	*	
KING	WA4YHH	449.775	444.775	*	
LEXINGTON	WD4ICX	449.50	444.50	N	
LOCUST	WA4LBT	448.70	443.70	*	PL
LUMBERTON	WB4DVN	449.625	444.625	N	
MT AIRY/FSH PK	KF4UY	449.825	444.825	*	ABLR
MT MITCHELL	N4DWU	448.60	443.60	*	
MT. AIRY	N4XRY	449.925	444.925	*	
MURPHY	N4USU	447.60	442.60	*	T151.4
NEW BERN	WD4JMS	449.90	444.90	*	
OXFORD	KA4RVS	449.60	444.60	N	
PITTSBORO	WB4MMY	447.55	442.55	*	PT
POLKVILLE	KC4ZTJ	449.975	444.975	N	P
RALEIGH	N4BEA	447.15	442.15	N	L
RALEIGH	N4LMR	447.45	442.45	*	P
RALEIGH	N4ZCM	448.225	443.225	*	BPT
RALEIGH	WA4PEN	449.525	444.525	*	PL
#RALEIGH	W4ATC	449.775	444.775	*	UNCOORD.
RALEIGH	W4DW	449.875	444.875	N	A
ROANOKE RAPIDS	KK4VM	449.55	444.55	N	A
ROANOKE RAPIDS	KK4VM	449.55	444.55	N	
ROARING GAP	KC4XE	448.55	443.55	*	L
ROCKY MOUNT	N4JEH	449.70	444.70	*	BP
#SALISBURY	W4HG	448.15	443.15	*	UNCOORD.
SALISBURY	K0SD	449.575	444.575	N	A
SALISBURY	N4MME	449.65	444.65	*	AT
SAURATOWN MT	K4AZA	439.25	421.25	*	OV
SAURATOWN MT	N4GGC	448.10	443.10	*	L
SAURATOWN MT	WA4WTB	448.40	443.40	*	C
SELMA	KK4YP	449.00	444.00	*	BP
SHELBY	W4NYR	439.25	427.25	*	V
SMITHFIELD	WK2F	449.25	444.25	N	
SPINDALE	KC4IEV	448.30	443.30	*	T179.9
STATESVILLE	N4VOZ	448.45	443.45	*	O A
SUNSET BEACH	AC4AM	447.625	442.625	*	
THOMASVILLE	K4AZA	447.90	442.90	*	L
WEST JEFFERSON	WA4PXV	447.375	442.375	N	
WILMINGTON	K4YNY	447.500	442.500	N	ALR
WILMINGTON	K4GMP	449.85	444.85	*	B
WILSON	NE4J	449.90	444.90	*	O
WINSTON-SALEM	W4NC	449.275	444.275	*	A
WINSTON-SALEM	N4QDK	449.725	444.725	N	A
YADKINVILLE	N4AAD	447.80	442.80	*	A
YANCEYVILLE	N4VWK	449.225	444.225	N	A
YAUPON BEACH	W4RPC	448.40	443.40	*	

SOUTH CAROLINA REPEATERS

10 METERS

RKY RDG/WALLACE	KA4ABW	29.60	RMT.BS	*	R

6 METERS

PICKENS	WB4YXY	52.41	53.41	N	

2 METERS

AIKEN	W4TUN	144.57	145.17	N	A
AIKEN	N4ADM	147.885	147.285	*	P
ANDERSON	N4SZ	146.37	146.97	*	BP
ANDERSON/SAS MT	W4FVV	146.19	146.79	*	B
AWENDAW	K4ESG	147.90	147.30	N	PT103.5
AWENDAW	K4LWS	147.945	147.345	N	BT103.5
BAMBERG	WA4DFP	144.73	145.33	*	
BARNWELL	WA4FOF	147.83	147.03	*	B
BEAUFORT	KB4GY	144.71	145.31	*	
BIG KNOB/GREY CT	KB4YF	146.265	146.865	N	
BOWMAN	KC4NXU	144.79	145.39	*	
BOWMAN	W4DTW	147.825	147.225	N	AB
CHARLESTON	WB4UIV	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	P
CHARLESTON	WA4USN	146.19	146.79	N	
CHARLESTON	KC4UDD	146.235	146.835		A
CHARLESTON	KD4PBC	146.34	146.94	N	BL
CHARLESTON	WB4LET	147.87	147.27	*	PL
CHERAW	KA4ABW	147.735	147.135	N	AE
CHESTER	AC4IP	146.025	146.625	N	T
COLUMBIA	KC4GYM	144.87	145.27	*	BLT
COLUMBIA	KC4LB	144.83	145.43	N	P
COLUMBIA	WB4NEP	146.115	146.715	N	P
COLUMBIA	KC4GYM	146.175	146.775	*	BPT
COLUMBIA	KB4HE	146.40	147.00	N	BLPT
COLUMBIA	N4NUY	147.93	147.33	N	
COLUMBIA	N4EOY	147.96	147.36	N	L
CONWAY	WD4JMT	144.51	145.11	*	
DILLON/PEE DEE	NN4N	146.145	146.745	*	
DORCHESTER	W4NAT	147.78	147.18	N	
FLORENCE	W4ULH	146.25	146.85	*	A
FLORENCE	WA4ISM	146.37	146.97	*	A
FLORENCE	W4PNZ	147.795	147.195		B
FT MILL/CAROWND	AA4SC	147.78	147.18	N	
GAFFNEY	KN4RG	144.87	145.47	*	B
GASTON	WB4NEP	144.61	145.21	N	P
GEORGETOWN	WD4DMI	147.975	147.375	N	
GREENVILLE	W4IQQ	146.34	146.94	*	T
GREENVILLE	K4LEO	147.975	147.375	*	T
GREENWOOD	K4VIA	147.765	147.165	*	P
GREENWOOD/HODGES	KB4CS	144.53	145.13	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61	*	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	*	P
HILTON HEAD	W4ILN	147.84	147.24	*	
INMAN	WD8OXE	144.55	145.15	N	P
LANCASTER	W4PAX	146.10	146.70	*	
LANCASTER	KC4AC	147.84	147.24	*	
LEXINGTON	KB4HE	146.64	147.00		BL
LEXINGTON	KA4FEC	147.99	147.39	*	B
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	E
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MYB BCH/BRKSVIL	W4DCD	147.885	147.285	N	AL
MYRTLE BEACH	WA4DDK	144.87	145.47	N	T
MYRTLE BEACH	WD4JMT	147.72	147.12	*	E
N. AUGUSTA	W4DV	144.85	145.45	N	P
N. AUGUSTA	K4FKJ	146.13	146.73	*	
#N. CHARLESTON	KC4PPL	147.60	147.00	*	UNCOORD.
N. MYRTLE BEACH	K4HOG	147.63	147.03	*	B
N. SPARTANBURG	N4UZT	147.915	147.315	*	ABT141.3
NEWBERRY	KB4CO	146.085	146.685	N	
ORANGEBURG	WM3O	146.205	146.805	N	C
ORANGEBURG	KC4WIF	146.28	146.88	*	ABL
ORANGEBURG	KM4RP	147.69	147.09	N	
PAGELAND/HIPOINT	KA4ABW	146.295	146.895	*	ABLR
PICKENS	WB4YXZ	146.40	147.00	N	
RKY RDG/WALLACE	KA4ABW	144.89	145.49	*	A
ROCK HILL	AA4PF	144.71	145.31	N	PL
ROCK HILL	K4YTZ	146.43	147.03	N	P
SENECA/LONG MT	WA4JRJ	147.87	147.27	*	BP
SIMPSONVILLE	WD4BJY	146.13	146.73	*	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	Y
SPARTANBURG	KA4JLA	147.69	147.09	*	
ST. MATTHEWS	AD4U	146.07	146.67	*	ABL
SUMMERTON	N4LWY	144.55	145.15	*	P
SUMTER	WB4KIV	144.53	145.13	N	
SUMTER	WB4KIV	146.04	146.64	N	
SUMTER	WA4UMU	147.615	147.015	N	P
SUMTER/SHAW	W4VFR	147.66	147.06	*	A
WHITE HALL	W4BWZ	146.31	146.91	*	B
WHITE OAK MTN	WD4MGM	147.885	147.285	*	

220 MHZ

AIKEN	W4TUN	223.36	224.96	N	TA
CHARLESTON	KA4NRL	223.04	224.64	N	BP
COLUMBIA	WX4M	222.58	224.18	N	BP
COLUMBIA	K4RWN	222.58	224.18	N	
COLUMBIA	N4EOY	223.30	224.90	N	LR
CROSS	KB4VFD	222.98	224.58	*	CA
FLORENCE	N4JJ	223.34	224.94	N	BP
GREENVILLE	W4ILY	222.60	224.20	N	A
LITTLE MTN	K4RWN	222.92	224.52	N	PB
ORANGEBURG	WB4TGK	223.18	224.78	N	BP
PICKENS	WB4QHF	222.80	224.40	*	BP
PICKENS/CSRS HD	WB4QHF	222.54	224.14	*	LR
PICKENS/SASFR MT	KJ4X	222.72	224.32	*	B
RIDGEVILLE	N4CII	222.50	224.10	N	
ROPER MT/GRNVL	W4NYK	223.32	224.92	*	
SUMTER	K4GYR	223.26	224.86	*	
SUMTER/SHAW	W4VFR	223.06	224.66	*	
WEST SPRINGS	KT4G	222.84	224.44	N	C BP

440 MHZ

AIKEN	W4TUN	448.40	443.40	N	TA
ANDERSON/SAS MT	WD4BUH	449.925	444.925	N	
CHARLESTON	N4MNH	449.30	444.30	*	AB
CHARLESTON	KD4PBC	449.95	444.95	N	BL
COLUMBIA	KC4GYM	442.075	447.075	*	BT156.7
COLUMBIA	N4EOY	448.00	443.00	N	LR
COLUMBIA	KC4GYM	448.50	443.50	*	T156.7
COLUMBIA	KC4GYM	449.20	444.20	*	T156.7
CROSS	KB4VFD	447.30	442.30	*	CA
GAFFNEY	KN4RG	449.80	444.80	*	AB
GEORGETOWN	WD4JMT	449.925	444.925	N	AB
GREENVILLE	KB4PQA	447.25	442.25	*	RP
#GRNVLE/PARIS MT	ND4N	448.35	443.35	N	UNCOORD.
LEXINGTON	N4GUP	439.25	421.25	*	V
MYB BCH/BRKSVIL	W4DCD	449.525	444.525	N	ALR
MYR BCH/CONWAY	WD4JMT	449.675	444.675	*	ABT203.5
NORTH CHARLESTON	KC4UDD	449.60	444.60	N	B
PICKENS/CSRS HD	WB4QHF	447.40	442.40	*	
SUMMERVILLE	WA4HNK	448.80	443.80	*	EP
SUMTER	WA4UMU	439.25	423.25	N	V
SUMTER	K4GYR	449.50	444.50	*	P

TENNESSEE REPEATERS

10 METERS

GREENEVILLE	WB4NKM	29.54	29.64	*	
JACKSON	NQ4W	29.54	29.64	N	C
MEM/FISHERVILLE	N4DRL	29.58	29.68	*	ALR
MEMPHIS	N4MW	28.25	BEACON	*	
MEMPHIS	W4ZJM	29.52	29.62	*	LT*#
NASHVILLE	WA4BZU	29.54	29.64	N	TLO
UNION CITY	WA4YGM	29.58	29.68	*	O

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.19	53.19	N	
GALLATIN	WD4KWP	52.45	53.45	N	L
GREENEVILLE	WB4NKM	52.01	53.01	*	
GUTHRIE (TN/KY)	KA4ZKL	52.23	53.23	*	
KNOXVILLE	WA4YON	52.25	53.25	*	
KNOXVILLE	WB4GBI	52.35	53.35	*	O
KNXVL/ENG MT	WB4IOB	52.15	53.15	*	A
MEM/FISHERVILLE	N4DRL	52.27	53.27	*	LRT
MEMPHIS	N4MW	50.07	BEACON	*	
MEMPHIS	WA4KOG	52.01	53.01	N	
MEMPHIS	K4RDK	52.55	53.55	N	
MORRISTOWN	KD4LP	52.23	53.23	*	
NASHVILLE	N4ARK	52.525	145.21	*	BR
OAK RIDGE	WD4GYN	52.11	53.11	N	

2 METERS

ALAMO	WB4EDS	147.735	147.135	*	
ALCOA	N4RYR	146.055	146.655	N	ABE
ANDERSON CTY	WB4KUD	146.10	146.70	*	AB
ATHENS	WA4PNI	144.71	145.31	*	T141.3
BENTON	K4SIR	144.85	145.45	N	T
BLOUNTVILLE	WA4KMG	147.60	147.00	*	B
BLUFF CITY	KA4ZTK	147.885	147.285	*	BE
BRISTOL	WB4DKI	146.07	146.67	*	A
BRISTOL	WD4CYZ	146.28	146.88	N	
BRISTOL/HLSTN MT	K4LSP	146.16	146.76	N	A
BROWNSVILLE	KB4YTU	144.83	145.43	N	PL
BROWNSVILLE	K4OKV	146.055	146.655	*	AB
CARTHAGE	N4OTT	144.59	145.19	*	P
CHATT/SIGNAL MT	W4AM	146.055	146.655	N	O
CHATTANOOGA	K4CMY	144.53	145.13	*	
CHATTANOOGA	K4VCM	144.69	145.29	*	
CHATTANOOGA	W4AM	144.79	145.39	*	A
CHATTANOOGA	K4CMY	146.01	146.61	*	
CHATTANOOGA	W4AM	146.19	146.79	*	A
CLARKSVILLE	WD4SGA	147.60	147.00	N	
CLARKSVILLE	AA4TA	147.99	147.39	*	A
CLEVELAND	W4GZX	146.31	146.91	*	A

This SERA Official Repeater Index Reflects Changes thru October 25, 1992

MORE TENNESSEE REPEATERS

COLLEGEDALE	KE4QS	147.60	147.00	*	P
COLLIERVILLE	KB4YGI	147.63	147.03	N	
COLLINWOOD TN	KM4ME	146.055	146.655	N	
COLUMBIA	WA4ZYX	147.72	147.12	*	AB
COOKEVILLE	NQ4Y	144.51	145.11	N	
COOKEVILLE	WA4UCE	144.83	145.43	N	A
COOKEVILLE	K4HKZ	147.645	147.045	N	C
COOKEVILLE	N4WS	147.81	147.21	*	AER
COVINGTON	WA4KOG	144.85	145.45	N	PR
COVINGTON	WA4VXW	147.93	147.33	N	PLK
CRAB ORCHARD	KA4QYI	146.04	146.64	*	C
CROSSVILLE	AC4AA	146.205	146.805	N	
CUMBERLAND CITY	WD4DBJ	144.73	145.33	*	
DAYTON/RHEA CTY	K4PHT	147.99	147.39	*	B
DECATUR-PONE KB	W4RJC	144.55	145.15	*	
DOVER	N4VIH	144.81	145.41	N	
DYERSBURG	WB4RCK	146.145	146.745	N	
EASTVIEW	WA4GZX	144.79	145.39	N	
ERWIN	WB4BRV	144.85	145.25	N	BPT
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	BP
FISHERVILLE	N4DRL	144.65	145.25	*	ABEL
FRANKLIN	KK4IY	146.385	146.985	N	
#FRUITLAND	NU5O	147.915	147.315	N	UNCOORD.
GALLATIN	N4SSB	144.53	145.13	*	T107.2
GALLATIN	WD4BKY	147.84	147.24	*	L
GALLATIN	WA4YQC	147.87	147.27	*	PL
GERMANTOWN	KA4ATI	147.69	147.09	N	
GRAND JUNCTION	N4DRL	147.63	147.03	*	
GRANDJUNCTION	N4DRL	146.43	147.03	*	
GRAY	WD4SBX	144.51	145.11	*	
GRAY/HOLSTON MT.	WD4SBX	147.81	147.21	*	T103.5
GREENBRIER	WQ4E	146.22	146.82	N	PR
GREENBRIER	WQ4E	147.675	147.075	N	B
GREENEVILLE	K4EPC	144.79	145.39	*	
GREENEVILLE	WB4NKM	144.81	145.41	*	
GRNVLE/VIKING MT	KB4UG	147.66	147.06	*	R
GTLBG/COVE MTN	WA4KJH	146.25	146.85	N	LE
GUTHRIE (TN/KY)	KA4NNE	146.205	146.805	*	
HENDERSON	K4TC	147.705	147.105	*	PE
HENDERSONVILLE	WB4WZK	144.67	145.27	*	PT
HENDERSONVILLE	K4UVH	147.945	147.345	N	
HOHENWALD	KE4KO	144.85	145.45	N	
HUMBOLDT	NQ4Y	144.75	145.35	N	AL
JACKSON	WB7BOX	144.51	145.11	N	AL
JACKSON	KF4SC	144.71	145.31	N	A
JACKSON	W4WKZ	147.81	147.21	N	A
JAMESTOWN	K4NLP	147.69	147.09	*	
JASPER	KD4XX	144.59	145.19	*	A
JOHNSON CITY	WB4SQC	144.69	145.29	*	BP
JOHNSON CITY	W4ABR	146.19	146.79	*	A
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97	*	BP
KNOXVILLE	N4IJL	144.51	145.11	N	O
KNOXVILLE	WB4GBI	144.57	145.17	*	
KNOXVILLE	492	144.61	145.21	*	A
KNOXVILLE	WA4TEM	144.73	145.33	*	AR
KNOXVILLE	N4GRC	144.77	145.37	*	
KNOXVILLE	N4IUA	144.83	145.43	N	
KNOXVILLE	WB4GBI	144.87	145.47	*	
KNOXVILLE	WB4GBI	146.025	146.625	*	
KNOXVILLE	WB4GBI	146.34	146.94	*	
KNOXVILLE	KA4AZQ	146.40	147.00	*	BT100.0
KNOXVILLE	WB4GBI	147.675	147.075	*	A
KNOXVILLE	KA4AZQ	147.795	147.195	*	BT100.0
KNOXVILLE	W4BBB	147.90	147.30	*	
KNXVL/ENG MT	WB4IOB	146.13	146.73	*	
LAFAYETTE	KC4ECD	144.71	145.31	*	ET
LAFOLLETTE	KA4OAK	144.53	145.13	N	A
LAFOLLETTE	KA4OAK	147.96	147.36	N	
LAFOLLETTE/WMT	K4BGW	146.07	146.67	N	
LAKE CITY	WB4OAH	146.22	146.82	*	A
LAVERNE	KJ4RA	144.63	145.23	N	
LEBANON	WB4DOR	144.79	145.39	N	
LEBANON	WD4JVV	147.615	147.015	N	
LEXINGTON	WD4MVR	146.43	147.03	N	
MANCHESTER	W4UOT	146.10	146.70	*	A
MARTIN	WA4ZQX	146.025	146.625	*	A
MAYNARDVILLE	KB4KIE	144.63	145.23	N	E
MCMINNVILLE	WD4MWQ	146.37	146.97	*	P
MCMINVL/SHT MT	WB4LHO	144.89	145.49	N	
MCNAIRY	NU5O	147.675	147.075	N	
MEDINA	WA4RWK	146.37	146.97	N	AB
MEM/FISHERVILLE	N4DRL	144.73	145.33	*	ABL
MEMPHIS	K0JXI	144.55	145.15	N	
MEMPHIS	KA0BRN	144.57	145.17	N	ALT
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	WA4KOG	144.89	145.49	N	
MEMPHIS	WB4NNE	146.04	146.64	N	O
MEMPHIS	W4UFT	146.10	146.70	*	
MEMPHIS	WB4DAZ	146.13	146.73	*	P
MEMPHIS	WA4HBY	146.19	147.51	N	NB
MEMPHIS	W4BS	146.22	146.82	*	P
MEMPHIS	WA4KOG	146.25	146.85	N	A
MEMPHIS	WA4ETE	146.28	146.88	*	AL
MEMPHIS	N4BSM	146.34	146.94	N	A
MEMPHIS	W4ZJM	146.40	147.00	*	
MEMPHIS	W4BS	147.42	146.82	N	
MEMPHIS	WA4MQQ	147.66	147.06	N	
MEMPHIS	KA4GMV	147.72	147.12	N	AT
MEMPHIS	WA4KOG	147.78	147.18	N	
MEMPHIS	WA4OWI	147.87	147.27	N	
MEMPHIS	WA4ADT	147.90	147.30	*	PL
MONTEAGLE	N4SSB	144.81	145.41	*	LT
MORGAN COUNTY	WD4ORB	147.93	147.33	*	
MORRISTOWN	KD4LP	144.85	145.45	*	B
MORRISTOWN	KD4LP	147.63	147.03	*	E
MORRISTOWN	WB4OAH	147.825	147.225	*	A
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MURFREESBORO	WB4LHO	144.57	145.17	N	
NASHVILLE	N4ARK	144.61	145.21	*	BLR
NASHVILLE	N4ARK	144.61	52.525	*	L
NASHVILLE	N4ARK	144.87	145.47	*	BP
NASHVILLE	WA4PCD	146.01	146.61	N	P
NASHVILLE	W4PQP	146.16	146.76	N	
NASHVILLE	W4SQE	146.19	146.79	*	
NASHVILLE	N4TK	146.25	146.85	*	P
NASHVILLE	WA4TOA	146.28	146.88	*	PT114.8
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	K4AYN	147.645	147.045	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WA4BZU	147.855	147.255	N	TP
NASHVILLE	WB4ZSA	147.90	147.30	N	P
NASHVILLE	WB4NTM	147.96	147.36	*	ATL
NASHVILLE W	WB4NTM	146.04	146.64	*	AT
NASHVILLE W	WB4NTM	146.07	146.67	*	ATL
NASHVLE/FAIRVIEW	N4ARK	144.51	145.11	*	B
NOLENSVILLE	WD4JYD	144.75	145.35	N	
OAK RIDGE	AA4UP	146.145	146.745	*	
OAK RIDGE	W4SKH	146.28	146.88	*	
OAK RIDGE	W4SKH	146.37	146.97	*	A
OAK RIDGE	K4EAJ	147.72	147.12	*	
OAK RIDGE	K4EAJ	147.75	147.15	*	LT
OAKFIELD	WA4BJY	147.99	147.39	N	PRT
PARIS	K4KLX	147.96	147.36	N	A
PETROS/FRZ HD MT	KJ4SI	147.855	147.255	*	PE
PIKEVILLE	K4PUX	147.885	147.285	*	
PINSON	WB0TMC	147.87	147.27	N	C
POCAHONTAS	WB4MMI	147.96	147.36	N	
POLK CTY/OSWALD	WD4DES	147.78	147.18	N	A
PULASKI/MUSIC MT.	WB4OYG	146.175	146.775	*	E
PURYEAR	WA4CEX	147.765	147.165	*	
RAMER	WB4MMI	144.65	145.25	N	
RAMER	WB4MMI	146.10	146.70	N	
RAMER	WB4MMI	147.945	147.345	N	O
RIDGETOP	WD4FFM	144.69	145.29	N	
ROCKWOOD	AA4KS	147.615	147.015	*	ABER
ROGERSVILLE	KD4HZN	147.915	147.315	N	AB
SALTILLO	KB4JUB	146.115	146.715	N	
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27	N	O
#SHELBYVILLE	KC4KRM	144.53	145.13	N	UNCOORD.
SHELBYVILLE	W4QEB	147.66	147.06	N	A
SHOP SPRINGS	N4IDG	147.705	147.105	*	PR
SHORT MTN	W4YXA	146.31	146.91	N	
SMITHVILLE	KI4OG	144.77	145.37	N	ALT
SPRING HILL	NW4E	144.85	145.45	N	A
SULPHUR SPRINGS	WD4OBW	146.325	146.925	*	CL
TRENTON	KN4KP	146.265	145.865	N	AENB
UNION CITY	WA4YGM	146.10	146.70	*	A
UNION CITY	WA4YGM	147.615	147.015	*	OAR
WALLAND	KB4PIO	146.085	146.685	N	BP
WATERTOWN	KE4WA	146.13	146.73	N	T100
WATERTOWN	N4IDG	146.235	146.835	*	P
WINCHESTER	W4SFF	146.22	146.82	*	A

220 MHZ

BLOUNTVILLE	WA4KMG	222.60	224.20	*	B
BROWNSVILLE	KB4YTU	222.60	224.20	N	PL
CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	K4VCM	223.18	224.78	*	
CLARKSVILLE	KF4GP	222.34	223.94	N	
CLEVELAND	KK4US	222.72	224.32	N	AB
CLINCH MTN	KC4RGQ	223.04	224.64	N	AB
COLLIERVILLE	KB4YGI	222.80	224.40	N	PL
COLUMBIA	KE4KO	223.12	224.72	N	
FISHERVILLE	N4DRL	223.28	224.88	*	AL
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	N	
GREENBRIAR	WQ4E	223.20	224.80	N	AB
GREENBRIER	WQ4E	223.16	224.76	N	PR
GREENEVILLE	WB4NKM	220.058	BEACON	*	BEACON
GREENEVILLE	WB4NKM	223.34	224.94	*	A
HERMITAGE	WB4RAB	222.30	223.90	N	
JC/BUFFALO MT	WA4UCI	223.18	224.78	*	
JONESBOROUGH	WD4OBW	222.92	224.52	*	ALB
KNOXVILLE	N4OQJ	222.78	224.38	*	B
KNOXVILLE	WA4YON	222.86	224.46	*	
KNOXVILLE	W4BBB	222.90	224.50	*	
KNOXVILLE	N4KFI	223.26	224.86	N	B
KNXVL/CROSS MT	KB4FZK	222.62	224.22	*	
LAFOLLETTE	KA4OAK	222.68	224.28	N	
LAVERGNE	KJ4RA	223.36	224.96	N	
MEM/FISHERVILLE	N4DRL	222.90	224.50	*	AL
MEMPHIS	N4MW	222.055	BEACON	*	
MEMPHIS	W4ZJM	222.34	223.94	*	LT*#
MEMPHIS	W4BS	222.82	224.42	*	L
MEMPHIS	WA4KOG	223.18	224.78	N	
MORRISTOWN	N4RBB	222.80	224.40	*	AB
NASHVILLE	WB4NTM	222.48	224.08	*	
NASHVILLE	WR3S	222.56	224.16	*	ABRL
NASHVILLE	KI4OG	222.84	224.44	N	AERT
NASHVILLE	K4ZGA	222.88	224.48	N	
NASHVILLE	WR3S	223.06	224.66	*	ALR
NASHVILLE	N4PYI	223.14	224.74	*	ALRT100.0
NASHVILLE	WA4PCD	223.34	224.94	N	T
SEVIERVILLE	N2FUV	222.84	224.44	N	PT
SHORT MTN	KE4NP	222.66	224.26	*	LR
SPRINGFIELD	KO4BN	222.62	224.22	*	ABER

440 MHZ

ALAMO	WB4EDS	448.75	443.75	*	L
BARTLETT	WA4DOR	448.70	443.70	N	T
BARTLETT	WA4PAJ	449.25	444.25	N	
BENTON/BEAN MT	K4SIR	449.95	444.95	N	T
BETHPAGE	KC4YCR	447.20	442.20	N	
BLUFF CITY	WB4RAV	449.725	444.725	N	BCO
BRISTOL/HLST MT	K4LSP	449.50	444.50	N	A
BROWNSVILLE	KB4YTU	449.20	444.20	N	PL
BROWNSVILLE	KB4YTU	449.45	444.45	N	CPL
CARTHAGE	N4OTT	448.725	443.725	*	
CHATTANOOGA	WJ9J	447.15	442.15	N	ABELR
CHATTANOOGA	N4JSR	447.325	442.325	N	
CHATTANOOGA	W4AM	449.10	444.10	*	A
CHATTANOOGA	WB4LRD	449.875	444.875	N	
CLARKSVILLE	KF4GP	449.95	444.95	N	
CLEVELAND	KD4NEB	447.45	442.45	N	AB
CLEVELAND	W4GZX	449.275	444.275	N	AB
COOKEVILLE	N4UBR	447.30	442.30	*	B
COOKEVILLE	NQ4Y	449.55	444.55	N	
CUMBERLAND CITY	WD4DBJ	448.40	443.40	*	PT
DOVER	N4VIH	449.925	444.925	N	
FAYETTEVILLE	KC4GPM	448.10	443.10	N	O
FISHERVILLE	N4DRL	449.30	444.30	*	ABEL
FRANKLIN	N4ULM	448.85	443.85	N	
FRANKLIN	WA4AKM	449.725	444.725	*	LT
GALLATIN	N4SSB	447.60	442.60	*	BLT107.2
GALLATIN	WD4BKY	449.00	444.00	*	C BLPT
GALLATIN	WD4BKY	449.35	444.35	*	PLT
GALLATIN	WD4KWP	449.45	444.45	N	
GALLATIN	WA4AKM	449.775	444.775	*	NT107.2
GATLBG/COVE MT	WA4KJH	448.30	443.30	N	L
GORDONSVILLE	N4SSB	447.70	442.70	*	BL
GRAY/HOLSTON MT.	WD4SBX	447.20	442.20	*	T103.5
GREENBRIER	WQ4E	449.25	444.25	N	
GREENEVILLE	WB4NKM	449.65	444.65	*	
GRNVLE/VIKING MT	KB4UG	448.20	443.20	*	C
HENDERSON	K4TC	449.75	444.75	*	P
HENDERSONVILLE	N4SSB	447.50	442.50	*	BLT107.2
JACKSON	WB4EPG	447.80	442.80	N	A
JACKSON	WB7BOX	449.875	444.875	N	PERLT
JAMESTOWN	KC4MJN	448.625	443.625	*	
JASPER	KD4XV	447.05	442.05	*	
JOHNSON CITY/HMV	WB4SQC	448.425	443.425	*	
KNOXVILL/ENG MTN	WB4HAP	449.60	444.60	*	
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	KD4IBW	448.675	443.675	N	
KNOXVILLE	KC4NNN	449.175	444.175	N	A
KNOXVILLE	WB4GBI	449.30	444.30	*	
KNOXVILLE	KB4KSL	449.50	444.50	N	A
LAFAYETTE	KC4ECD	449.125	444.125	N	RT
LAWRENCEBURG	AB4UP	447.675	442.675	*	C
LONE MOUNTAIN	WJ9J	447.075	442.075	N	ELP
MARYVILLE	KC4PDQ	449.075	444.075	*	A
#MCMINNVILLE/HF	WD4MWQ	449.65	444.65	*	UNCOORD.
MEDINA	WA4BJY	447.05	442.05	N	AL
MEMPHIS	W4EM	421.25	434.00	*	V
MEMPHIS	N4ERU	439.25	421.25	N	ATV
MEMPHIS	WB4EPG	447.625	442.625	N	
MEMPHIS	WF4G	447.825	442.825	N	
MEMPHIS	W4ZJM	448.00	443.00	*	T*#
MEMPHIS	KA4JXT	448.10	443.10	*	T107.2
MEMPHIS	W4BS	448.20	443.20	*	
MEMPHIS	WA4QWW	448.40	443.40	N	A
MEMPHIS	WA4KOG	448.80	443.00	N	NB
MEMPHIS	KA5RYF	448.95	443.95	N	

MORE TENNESSEE REPEATERS

MEMPHIS	KA0BRN	448.975	443.975	N	ALT
MEMPHIS	WA4ETE	449.00	444.00	*	T
MEMPHIS	K4RDK	449.025	444.025	N	
MEMPHIS	KA4JXT	449.10	444.10	*	RP
MEMPHIS	WA4KOG	449.40	444.40	N	
MEMPHIS	K0JXI	449.60	444.60	N	
MEMPHIS	K0JXI	449.80	444.80	N	
MEMPHIS	K5FC	449.825	444.825	N	
MEMPHIS	WB4MMI	449.90	444.90	N	TAL
MEMPHIS	WB4NNE	449.95	444.95	N	O
MILAN	WD4ABJ	447.10	442.10	N	
MONTEAGLE	N4SSB	447.40	442.40	*	LT
MORRISTOWN	KA4NEX	449.20	444.20	N	
MORRISTOWN	KD4LP	449.80	444.80	*	AB
MORRISTOWN	KD4LP	449.975	444.975	*	P
MT JULIET	WB4PUB	448.05	443.05	N	P
MULLOY	KD4BNW	447.90	442.90	N	BT
NASHVILLE	KJ4ZQ	439.25	421.25	N	V
NASHVILLE	KB4ZOE	448.775	443.775		
NASHVILLE	KI4OG	449.05	444.05	N	ALTR
NASHVILLE	WB4NTM	449.15	444.15	*	ATL
NASHVILLE	N4ARK	449.225	444.225	*	BLPT107.2
NASHVILLE	N4PYI	449.525	444.525	*	CT107.2
NASHVILLE	WA4WCK	449.575	444.575	*	T
NASHVILLE	N4TK	449.625	444.625	*	PT
NASHVILLE	W4AY	449.675	444.675	N	
NASHVILLE	WA4BGK	449.825	444.825	*	T
NASHVILLE	WA4AKM	449.875	444.875	*	T
NASHVILLE	WA4AKM	449.975	444.975	*	LRPT107.2
OAK RIDGE	K4EAJ	449.40	444.40	*	L
OAKFIELD	WA4BJY	447.20	442.20	N	PTL
OSWALD DOME	WD4DES	447.25	442.25	N	
PARIS/GROVE HL	WA4WKS	448.50	443.50	N	
PIGEON FORGE	KD4CLA	449.925	444.925	N	P
PULASKI	KB4TPI	439.250	421.250	N	V
PULASKI	KB4TPI	447.150	442.150	N	
RAMER	WB4MMI	449.90	444.90	N	
ROCKWOOD	KA4WJS	448.975	443.975	N	
SHELBYVILLE	KC4KRM	448.825	443.825	*	
SHORT MTN	N4OYS	449.65	444.65	N	
SMRYNA	KJ4RA	448.975	443.975	N	
SODDY DAISY	WJ9J	449.45	444.45	N	BELRP
WATERTOWN	N4IDG	449.90	444.90	*	P

920 MHZ

MEMPHIS	N4MW	902.28	BEACON	*	
MORRISTOWN	KD4LP	908.80	920.80	*	BP
NASHVILLE	K4ZGA	910.25	923.25	N	LV

1270 MHZ

MEMPHIS	N4MW	1272.00	1292.00	*	B
NASHVILLE	N4MEY	1277.25	439.25	N	VL

VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

NEWPORT NEWS	WB4CTF	29.60	29.60	*	R
ONEIDA PK/BLFLD	WZ8E	29.58	29.68	N	RL
ROANOKE/POOR MT	WB8BON	29.54	29.64	N	CL
STERLING	KD4DN	29.58	29.68	M	MT

6 METERS

ALEXANDRIA	WA4CCF	52.13	53.13	M	ML
ARLINGTON	KI4MB	52.05	224.06	M	MCL
BEDFORD/THAX MT	WB4DBB	52.15	53.15	*	
CENTERVILLE	KA4DCS	52.58	52.48	M	M
DANVILLE(DCC)	AA4QT	52.13	53.13	*	
GATE CITY	N4WWB	52.21	53.21	*	ABL
GUM SPRINGS	KB4MIC	52.07	53.07	*	
HERNDON	WD4KHP	52.62	52.82	M	TM
LEXNGTN/ROCK MT.	KI4ZR	52.01	53.01	*	L
RICHMOND	WB4FAX	52.43	53.43	N	
ROANOKE	WB4DBB	52.25	53.25	*	L
ROANOKE/POOR MT	WB8BON	52.09	53.09	N	CL

2 METERS

ABINGDN/BRMLY MT	K4LSP	146.01	146.61	N	L
ABINGDON	NM4L	146.34	146.94	*	ABL
ACCOMAC	WA4TVS	147.855	147.255	*	EB
ALEXANDRIA	WB4MJF	144.55	145.15	M	M
ALEXANDRIA	WD4PDP	146.055	146.655	M	MP
ALEXANDRIA	W4HFH	147.915	147.315	M	ML
ALTAVISTA	WA4ISI	146.055	146.655	*	BELP
ALTON	WD4LBM	146.46	147.06	*	P
AMELIA COURTHSE	KB4YKV	147.78	147.18	N	P
ARLINGTON	N4EFJ	144.87	145.47	M	M
BARREN SPRINGS	K4HZS	146.07	146.67	N	
BEAVERDAM	N4CZJ	144.65	145.25	N	BP
BEDFD-APL ORCH	WA1ZMS	144.81	145.41	*	BT100.0
BEDFD/APL ORCH	WB4DBB	144.63	145.23	*	
BEDFORD	WB4JBJ	147.705	147.105	N	PL
BLACKSBURG	AB9I	146.115	146.715	N	
BLAND	N4AZJ	144.75	145.35	*	RP
BLUEFIELD	W8MOP	144.89	145.49	*	P
BLUEMONT	WA4TSC	147.90	147.30	M	M
BRISTOL	WD4CYZ	146.28	146.88	N	
CHARLOTTESVILLE	KC4YLX	144.69	145.29	N	
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	*	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	*	
CHASE CITY	W4AXH	146.31	146.91	*	
CHESAPEAKE	K4NDH	144.69	145.29	N	E
CHESAPEAKE	NS3F	144.73	145.33	*	
CHESAPEAKE	N4GSP	146.01	146.61	*	ABE
CHESAPEAKE	N4SD	146.19	146.79	*	AE
CHESAPEAKE	KL7SR	147.705	147.105	N	C
CHESTERFIELD	KA4CBB	147.96	147.36	*	PE
CLARKSVILLE	N4ZCM	144.87	145.47	N	P
COLLINSVILLE	KN4DE	147.72	147.12	*	BLT103.5
COVINGTON	WA4HTI	146.205	146.805	*	L
CULPEPER	AA4VI	147.72	147.12	M	M
DANTE	WD4CYZ	147.855	147.255	N	
DANVILLE(DCC)	AA4QT	146.325	146.925	*	AET103.5
DANVILLE/WHT OAK	KM4AU	146.10	146.70	*	BERP
ENON	WA4ECM	147.66	147.06	*	BP
FAIRFAX	W4LBL	146.19	146.79	M	MP
FALLS CHURCH	W4AQD	144.75	145.35	M	MT
FARMVILLE	WA4QQI	144.73	145.33	*	
FINCASTLE	W4WIC	146.04	146.64	*	A
FOREST	KA7UKJ	144.77	145.37	*	L
FRANKLIN	K4SPS	147.90	147.30	*	PE
FREDRICKSBURG	WB4LNT	147.615	147.015	M	M
GALAX/BRIRP MT	N4VL	147.69	147.09	*	A
GALAX/LKOUT MT	N4VL	144.53	145.13	*	R
GATE CITY	N4WWB	146.22	146.82	*	
GLADYS	N4UTN	147.945	147.345	*	BL
GLOUCESTER	KC4TOG	144.77	145.37	*	PE
GREENBAY	K4ARO	144.55	145.15	*	
GRUNDY	K4HWQ	147.915	147.315	N	A
GRUNDY/BIG A MT	WD4DCX	146.235	146.835	N	L
GUM SPRING	WB4IKL	147.87	147.27	*	
HAMPTON	K4DHO	146.13	146.73	*	PE
HAMPTON	K4UMI	146.34	146.94	N	T
HAMPTON	KA4VXR	147.825	147.225	N	A
HARRISONBURG	N4YET	144.53	145.13	M	M
HARRISONBURG	N4RAG	146.295	146.895	N	M
HARRISONBURG	WX4C	147.825	147.225	M	AM
HARRISONBURG	N4YET	147.915	147.315	M	MA
HERNDON	N4FXP	144.71	145.31	M	MP
JEWELL RIDGE	WB4QJZ	147.75	147.15	N	
KILMARNOCK	W2MS	144.61	145.21	*	A
LEXINGTON	KI4ZR	146.07	146.67	*	OR
LEXINGTON	KI4ZR	147.90	147.30	*	A
LEXNGTN/ROCK MT.	KI4ZR	147.93	147.33	*	
LORTON	N4JOQ	144.57	145.17	M	MC
LORTON	KE4ZN	144.57	145.17	M	MT
LUNENBURG CT.HSE	AA4OG	147.84	147.24	*	
LYNCHBURG	W4WWQ	146.01	146.61	*	
LYNCHBURG	AB4M	146.415	147.015	*	P
LYNCHBURG	WA4RTS	147.795	147.195	*	
LYNCHBURG	KB4ILD	147.975	147.375	N	P
MADISON	N4AJO	147.99	147.39	M	M
MANASSAS	WA4FPM	146.37	146.97	M	MBLPE
MARION	KC4SKE	144.67	145.27	N	T103.5
MARION	N4QLF	146.04	146.64	N	A
MARTINSVILLE	AA4QT	147.885	147.285	*	P
MCLEAN	WD4IWG	147.81	147.21	M	MBP
MOUNTAIN LAKE	WZ8E	147.465	146.865	N	PL
MT.LAKE/BALD KNB	K4TUE	146.31	146.91	N	P
NEW MARKET	K4AVW	146.025	146.625	M	MB
NEWPORT NEWS	W4MT	144.63	145.23	N	AEC
NEWPORT NEWS	WA4OHX	144.89	145.49	*	ABET"6"
NEWPORT NEWS	WB4CTF	147.765	147.165	*	PLR
NORFOLK	WA4ZUA	144.57	145.17	*	PER
NORFOLK	NE4D	146.10	146.70	N	E
NORFOLK	KA4HBU	147.675	147.075	N	
NORTON/HIGH KNOB	K4AXO	146.415	147.015	N	LP
OILVILLE	N4TZE	147.69	147.09	N	C
ONEIDA PEAK/BLF	WZ8E	146.355	146.955	N	PL
PEARISBURG	N4AZJ	147.735	147.135	*	
PENNINGTON GAP	N4LQC	146.10	146.70	N	
PETERSBURG	K4ARO	147.99	147.39	*	
PKS KB/PULASKI	KT4Z	147.78	147.18	*	P
PORTSMOUTH	W4POX	146.25	146.85	*	AE
RICHMOND	K4YPE	144.51	145.11	*	A
RICHMOND	WB4FAX	144.59	145.19	N	
RICHMOND	W4SQT	144.83	145.43	*	P
RICHMOND	WB4QEY	146.04	146.64	N	P
RICHMOND	WA4ZBE	146.28	146.88	N	P
RICHMOND	W4ZA	146.34	146.94	*	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	*	T
ROANOKE	N4AP	146.34	146.94	N	A
ROANOKE/POOR MT	KC4DY	146.145	146.745	*	BEP
ROANOKE/POOR MT	W4CA	146.385	146.985	*	BEP
ROANOKE/POOR MT.	WB4QOJ	144.81	145.21	N	YVKL
ROANOKE/POOR MTN	K4ARO	144.79	145.39	*	LC
ROANOKE/POOR MTN	KB4QWO	147.87	147.27	N	BCLP
RUSTBURG/LONG MT	N4UTN	146.235	146.835	*	BP
SALEM	W4PDL	146.28	146.88	*	
SALUDA	AA4HQ	144.85	145.45	*	ABE
SMITHFIELD	N3ELM	147.795	147.195	N	BLPT100.2
STAFFORD	NM7J	144.67	145.27	M	MP
STAUNTON	W4XD	146.10	146.70	*	
STAUNTON	WA4ZBP	146.25	146.85	*	RY
STAUNTON	W4WRN	146.37	146.97	N	E
STAUNTON/EL KB	WD4FOZ	147.645	147.045	*	T131.8
STERLING	WA4TXE	146.115	146.715	M	MBP
STUARTS DRAFT	KB4OLM	147.96	147.36	*	PELP
SUFFOLK/GASBURG	WA4HMT	146.40	147.00	N	PE
TROY	KC4YLX	144.69	145.29	N	P
TYSONS CORNER	W4XG	146.31	146.91	M	MP
VIENNA	K4HTA	146.085	146.685	M	MB
VIRGINIA BEACH	WA4KXV	146.295	146.895	*	
VIRGINIA BEACH	WA4KXV	146.37	146.97	*	E
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	W4NV	147.975	147.375	*	AB
WARRENTON	NZ4N	147.765	147.165	M	M
WARSAW	KA4ZIP	147.93	147.33	*	E
WAYNESBORO	W4PNT	147.675	147.075	*	PEL
WILLIAMSBURG	K2QU	144.81	145.41	N	C
WILLIAMSBURG	W4NTG	146.07	146.67	*	AB
WILLIAMSBURG	KB4ZIN	146.16	146.76	*	A
WINCHESTER	W4RKC	146.22	146.82	*	ME
WOODBRIDGE	WB4FQR	147.84	147.24	M	MA
WYTHEVILLE	WD4MUQ	146.175	146.775	N	103.5

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	ML
ARLINGTON	KI4MB	222.46	224.06	M	M
BEDFD/APL ORCH	WB4DBB	224.26	222.66	*	RL
BEDFORD	N4PLV	223.24	224.84	*	B
BLFD/E.RIVER MTN	N8LGA	223.32	224.92	*	C B
CHARLOTTESVILLE	KB4YQC	222.54	224.14	*	BCPT
CHARLOTTESVILLE	WA4TFZ	223.16	224.76	N	
COLLINSVILLE	KN4DE	222.82	224.42	*	
DANVILLE	AA4QT	222.78	224.38	*	
DANVLE/WHITE OAK	N4GLA	222.84	224.44	*	AE
DELTAVILLE	AA4HQ	223.30	224.90	*	AE
FAIRFAX	WB4YHD	222.50	224.10	M	ML
FALLS CHURCH	N4CHP	223.38	224.98	M	MP
GASBURG/LK GASTN	WA4HMT	223.00	224.60	N	C
GLOUCESTER PT	N4THN	223.02	224.62	*	BEP
HAMPDEN-SYDNEY	WB4PEA	222.60	224.20	*	O
HAMPTON	KB4UHA	223.26	224.86	N	OABER
LEESBURG	WA4TXE	222.42	224.02	M	M
LOVETTSVILLE	WB4FUJ	222.86	224.46	M	MC
LYNCHBURG	AB4M	222.68	224.28	*	P
MANASSAS	KB4CVL	222.74	224.34	M	M
MANASSAS	WA4FPM	223.06	224.66	M	MBLPE
MARTINSVILLE	WB4BVI	222.90	224.50	*	P
PETERSBURG	K4ARO	223.10	224.70	*	
RICHMOND	WA4ONG	222.92	224.52	N	K
ROANOKE	WB4DBB	222.50	224.10	*	L
ROANOKE/CHAUS MT	AB4EM	223.34	224.94	*	
SINGERS GLEN	K4SAD	223.22	224.82	M	MC
STERLING	WD4KHP	222.12	223.72	M	M
TYSONS CORNER	WD4KHP	222.82	224.42	M	MT
TYSONS CORNER	WD4KHP	223.12	224.72	M	M
VIENNA	K4HTA	222.34	223.94	M	M
VIRGINIA BEACH	N4WQJ	223.14	224.74	N	
WOODBRIDGE	WB4GJZ	223.18	224.78	M	M

440 MHZ

ALEXANDRIA	WA9GVK	426.25	439.25	M	MV
ALEXANDRIA	WA9GVK	426.25	911.25	M	MVL
ALEXANDRIA	W4HFH	449.60	444.60	M	M
ALTAVISTA	WA4ISI	449.425	444.425	*	BELP
ARLINGTON	KA4DCS	444.875	449.875	M	M
ARLINGTON	KI4MB	449.15	444.15	M	M
BEDFD/APL ORCH	WB4DBB	449.35	444.35	*	L
BIG "A" MTN	KB4WTP	449.875	444.875	*	
BLUEFIELD	WZ8E	449.625	444.625	N	PL
BLUEMONT	WA4TSC	444.925	449.925	M	M
CHANTILLY	K4HTA	443.375	448.375	M	MC
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	*	
CHESAPEAKE	K4NDH	448.80	443.80	N	P
CHESAPEAKE	N4EVG	448.90	443.90	*	PE
COLLINSVILLE	KN4DE	449.575	444.575	*	T103.5
COVINGTON	WA4HTI	447.25	442.25	*	O
ENON	WA4ECM	449.20	444.20	*	R
FAIRFAX	WD4KHP	444.775	449.775	M	MCL
FALLS CHURCH	N4EFK	449.30	444.30	M	M
FALLS CHURCH	K8ZOA	449.45	444.45	M	ML

MORE VIRGINIA REPEATERS

FANCY GAP	WA4CQK	449.90	444.90	N	
FOREST	W8CXD	448.60	443.60	N	O
FOREST	WD4KQI	449.75	444.75	N	A
GASBURG	WA4HMT	447.00	442.00	N	C
GATE CITY	N4WWB	449.70	444.70	*	L
GREAT FALLS	N3AVA	449.05	444.05	M	M
GREENBAY	K4ARO	448.175	443.175	*	
GUM SPRING	KB4MIC	447.80	442.80	*	
HAMPTON	K4UMI	448.65	443.65	N	
HAMPTON	K4OGT	449.55	444.55	*	EPT167.9
INDEPENDNCE HILL	AA4VA	448.80	443.80	M	M
LEXNGTN/ROCK MT	KI4ZR	449.15	444.15	*	
LORTON	WD4KHP	444.725	449.725	M	ML
LYNCHBG/JACK MT	KF4YI	447.40	442.40	*	P
LYNCHBURG	K4HEX	426.25	923.25	*	V
LYNCHBURG	AB4FU	447.95	442.95	N	PT
LYNCHBURG/TOBRMT	K4HEX	449.50	444.50	*	R
MADISON	N8HON	449.40	444.40	M	MBL
MANASSAS	WD4JCE	444.225	449.225	M	ML
MT. VERNON	WA5ZAI	449.50	444.50	M	M
NORFOLK	WD4MIZ	449.675	444.675	*	
NORTON/HIGH KNOB	WA4NDQ	449.85	444.85	*	BLRT
OILVILLE	KB4MIC	449.80	444.80	*	P
#ONEIDA PEAK/BLF	WZ8E	448.625	443.625	N	UNCOORD.
PEARISBURG	N4AZJ	449.975	444.975	*	T103.5
PETERSBURG	WB4KZI	448.825	443.825	*	C
PETERSBURG	K4ARO	449.40	444.40	*	T
PORTSMOUTH	KK4SN	449.00	444.00	*	AE
POWHATAN	KD4ADW	448.10	443.10	N	P
RICHMOND	N4LFU	448.35	443.35	*	
RICHMOND	K4ARO	449.65	444.65	*	
RICHMOND	K4ARO	449.85	444.85	*	
ROANOKE	KA4YUY	447.175	442.175	*	
#ROANOKE AIRPORT	KD4EG	448.75	443.75	*	UNCOORD.
ROANOKE/LONG RDG	WB8BON	449.925	444.925	N	O
ROANOKE/POOR MT	W4CA	447.50	442.50	*	BEP
ROANOKE/POOR MT.	N4FHL	426.25	439.25	N	V
ROANOKE/POOR MT.	N4VG	447.70	442.70	*	
ROANOKE/POOR MT.	WB8BON	448.65	443.65	N	C
SINGERS GLEN	K4SAD	449.60	444.60	M	MC
SMITHFIELD	N3ELM	448.55	443.55	N	BLPT100.2
SOUTH BOSTON	AB4YR	448.925	443.925	*	C
SPRINGFIELD	WD4KHP	444.825	449.825	M	MT
STAFFORD	KB4OB	448.85	443.85		MBP
STAUNTON	WA4ZBP	449.825	444.825	*	
STAUNTON	W4WRN	449.95	444.95	N	
STAUNTON/EL KNOB	WD4FOZ	449.10	444.10	*	T131.8
STERLING	WA4TXE	447.10	442.10	M	MLP
STERLING	WA4TXE	447.20	442.20	M	M
STUART/SPOON MTN	WA4WTB	449.175	444.175	*	R
STUARTS DRAFT	KB4OLM	449.05	444.05	*	BELP
THE PENTAGON	K4AF	449.55	444.55		MT
TYSONS CORNER	KM4FI	448.50	443.50	M	M
TYSONS CORNER	K4JYF	449.75	444.75	M	M
VIENNA	N4KOU	449.85	444.85		M
VIRGINIA BEACH	WA4KXV	449.95	444.95	*	E
WAYNESBORO	KA5NOJ	439.25	426.25	*	V
WAYNESBORO	WA4EZA	449.20	444.20	*	BT141.3
WHITETOP MTN	KM4X	448.00	443.00	*	BT103.5
WILLIAMSBURG	W4NTG	448.95	443.95	*	
WILLIS	W4DUM	448.875	443.875	*	BT
WINCHESTER	NB3O	444.175	449.175	M	M
WINCHESTER	W3CSG	447.00	442.00	M	M
WOODBRIDGE	KA4DCS	444.875	449.875	M	M
WOODBRIDGE	N4LJZ	448.10	443.10		M
WOODBRIDGE	WB4FQR	449.90	444.90	M	M
WOODFORD	WA4SDE	443.975	448.975	M	M
WYTHEVILLE	WB3T	447.00	442.00	N	ABLRT103.5
WYTHEVILLE/SAND	WB3T	449.325	444.325	N	

920 MHZ

ALEXANDRIA	WA4CCF	907.60	919.60	M	M
FOREST	KB4OSI	909.00	921.00	*	
LYNCHBURG	WA1ZMS	909.10	921.10	*	
ROANOKE	KM4TT	908.90	920.90	*	RP

1270 MHZ

ALEXANDRIA	WA4CCF	1270.60	1282.60	M	M
MCLEAN	K8LEW	1272.10	1292.10		M
ROANOKE/POOR MT	WB4DBB	1271.02	1291.02	*	O
TYSONS CORNER	WR4S	1272.00	1292.00	M	MB

WEST VIRGINIA REPEATERS

(Listing updates for some repeaters courtesy of T-MARC)

10 METERS

BECKLEY/BOLT	KA8OTX	29.52	29.62	*	
BERKELEY SPRINGS	KK3L	29.52	29.62	M	ML
CHARLESTON	WB8CQV	29.54	29.64	N	L

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	N	
#ST ALBAN/COAL M	WD8JKA	52.03	53.63	N	UNCOORD.

2 METERS

BARBOURSVILLE	KB8EHJ	146.48	441.00	*	L
BECKLEY/BOLT	N8FRV	144.57	145.17	*	AL
BECKLEY/EOC	KD8VS	144.77	145.37	*	A
BECKLEY/FLAT TOP	WA8WDK	146.25	146.85	*	L
BECKLEY/LAYLAND	WF1G	144.71	145.31	*	L
BERKELEY SPRINGS	KK3L	144.990	29.620	M	ML
BERKELEY SPRINGS	KK3L	146.145	146.745	M	MB
BLUEFIELD	W8MOP	144.89	145.49	*	P
BRIDGEPORT	WB8DKM	147.72	147.12	*	PT
BUCKHANNON	N8FHE	144.53	145.13	*	AL
BUCKHANNON	N8FHE	144.81	145.41	*	A
BUCKHANNON	WD8L	146.25	146.85	N	B
CHARLES TOWN	N8EIV	146.385	146.985	M	MT-NIGHT
CHARLESTON	WS8L	144.83	145.43	*	P
CHARLESTON	WB8IFS	146.22	146.82	N	AE
CLARKSBURG	N8FMD	146.085	146.685	*	L
CLARKSBURG	N8FMD	147.81	147.21	*	T103.5
CLARKSBURG	KE8MR	147.915	147.315	N	
CRAIGSVILLE	N8FMD	144.67	145.27	*	L
ELKINS	KB8BWZ	146.175	146.775	*	
EVANS	KD8TC	147.81	147.21	N	
#FAIRMONT	W8SP	146.30	146.90	N	UNCOORD.
FLAT TOP/WINTRPL	WF1G	146.025	146.625	*	A
FRANKLIN	W3RUA	147.945	147.345	*	B
GASSAWAY	WB8MZI	146.01	146.61	N	
GLENVILLE	KA8ZXP	144.69	145.29	*	ABELR
GLENVILLE	KB8EUN	146.235	146.835	*	
GRAFTON	WD8LNB	147.975	147.375	*	
GRANTSVILLE	N8LGY	144.85	145.45	*	PE
HARRISVL/PENSBRO	WB8NSL	147.90	147.30	N	
HINTON	KB8EQC	147.855	147.255	*	AB
HORSEPEN MT	NV8H	147.795	147.195	*	PL
HUNTINGTON	WB8FEQ	144.81	145.21	N	Y
HUNTINGTON	W8VA	146.16	146.76	*	PEL
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	*	ER
LEON	WD8OHX	147.78	147.18	*	BP
LEWISBURG	WA8AVZ	146.13	146.73	*	P
LIBERTY	W8HYX	144.81	145.41	N	
#LOGAN	WA8ZLR	146.09	147.11	N	UNCOORD.
LOGAN/SUMERCO	NU8K	147.945	147.345	*	PL
LOGAN/WARD RK MT	KJ8E	146.37	146.97	*	PL
MARTINSBURG	WA8FSE	144.55	145.15	M	MB
MARTINSBURG	WB8YZV	147.855	147.255	M	M
MCMECHEN	N8FQN	146.31	146.91	*	
MORGANTOWN	K8LG	144.83	145.43	N	AL
MORGANTOWN	W8CUL	146.16	146.76	*	PL
MORGANTOWN	KE8QC	147.675	147.075	*	AELRP
MT STORM	KA8JTH	147.705	147.105	N	PLER
MULLENS/HRNDN MT	KC8IT	147.63	147.03	*	R
NEW MARTINSVILE	KF8LL	146.385	146.985	*	AB
OAK HILL	W8OQC	146.19	146.79	*	E
PARKERSBURG	WV8G	144.89	145.49	*	ABC
PARKERSBURG	WA8LLM	147.855	147.255	*	A
PARKERSBURG	WA8CRW	147.99	147.39	N	B
PARKERSBURG (OH)	WA8CRW	146.37	148.97	N	A (OHIO)
PARSONS	KE8QC	144.73	145.33	*	BELRPT
#POINT PLEASANT	W8KNM	147.66	147.06	N	UNCOORD.
PRINCETON	KA8PNC	146.46	147.06	*	P
PRINCETON	WB8NRK	147.825	147.225	*	
PRINCETON/PIPEST	WD8OGY	146.325	146.925	N	A
RAVENSWOOD	WD8JNU	146.07	146.67	N	P
RAVENSWOOD	WD8JNU	146.10	146.70	N	R
RICHWOOD	WB8YJJ	144.59	145.19	*	B
RICHWOOD	W8FG	144.87	145.47	N	
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT	WC8S	147.87	147.27	N	PEL
SHERRARD	KD8GL	146.115	146.715	*	EPL
SO. CHARLESTON	WB8CQV	146.28	146.88	N	L
SPENCER	WT8Z	147.705	147.105	N	
SPRUCE KNOB	N8HON	147.885	147.285	*	L
ST ALBANS	K8WMX	146.40	147.00	*	B
ST ALBANS	KA8SVR	147.75	147.15		BELRP
ST ALBANS	K8WMX	147.975	147.375	*	Y
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
SUMMERSVILLE	K8VKB	146.34	146.94	*	
TERRA ALTA	KD8ZR	147.60	147.00	*	AE
UPPER TRACT	KB8BUC	146.055	146.655	*	B
WEIRTON	W8CWO	146.34	146.94	*	ABEP
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	P
WESTON	WC8K	147.765	147.165	N	BR
WHEELING	WB8JGY	144.59	145.19	N	PL
WHEELING	W8ZQ	146.16	146.76	*	B
WILLIAMSON	WR8M	144.73	145.33	*	AR

220 MHZ

#CHARLESTON	WB8YST	222.76	224.36	N	UNCOORD.
FLAT TOP/WINTRPL	WF1G	222.52	224.12	*	A
#LEON	WD8OHX	222.18	223.78	*	UNCOORD.
#WILLIAMSON	WR8M	222.54	224.14	*	UNCOORD.

440 MHZ

ALDERSON	WF1G	449.40	444.40	*	OA
BECKLEY/BOLT	AA8BS	447.30	442.30	*	RB
BECKLEY/KINGSTON	WF1G	449.80	444.80	*	R
BUCKHANNON	N8FHE	448.10	443.10	*	L
BUCKHANNON	WV8Y	449.50	444.50	N	BR
CHARLESTON	KB4BNW	449.75	444.75	*	
CLARKSBURG	N8FMD	449.175	444.175	*	T103.5
GLENVILLE	KA8ZXP	449.325	444.325	*	
#HUNTINGTON	W8VA	447.60	442.60	*	UNCOORD.
HUNTINGTON	WB8EZR	448.00	443.00	*	
LEWISBURG	KF8FO	449.725	444.725	N	
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	*	OPL
#MULLENS/HRNDN M	KC8IT	449.00	444.00	*	UNCOORD.
PARKERSBURG	N8ILO	449.10	444.10	*	B
PARKERSBURG	WV8G	449.775	444.775	*	BC
PARSONS	KE8QC	447.20	442.20	*	BEPLR
SO. CHARLESTON	WB8CQV	449.95	444.95	N	RL
ST. ALBANS	K8MHR	448.15	443.15	*	BELP
#THOMAS	KE8QC	449.65	444.65	*	UNCOORD.
WESTON	N8FIP	448.975	443.975	N	BR
WESTON	WC8K	449.60	444.60	N	C

Full Membership Finals

Final numbers are in for the 1992 SERA Full Membership. Our campaign for the year ended with a total of 944 Full Member repeaters, a new all-time record. This respresents 60% of all repeaters in the 8 SERA States.

Leading the way in total Full Member repeaters was North Carolina with 220 members, or 82.4% of all the repeaters, a new record.

Placing second in total numbers was Tennessee with 179, followed third by Georgia with 173. Tennessee had the largest growth over 1991 of any state in the organization. Their percentage of membership was 53.4%. Georgia had 55.8%.

Fourth in membership is Virginia with 136 Full Member repeaters or 70.1%, followed by Kentucky and West Virginia with 70 and South Carolina with 60. Mississippi had 36 members.

Repeater datasheets will be mailed out to ALL known repeater owners this month by our data base operator. Anyone not receiving a sheet for any repeater should contact David Ward, KA4LVO, his name and phone number is on page 2 of the Journal.

Repeater owners may join SERA as Full Members by merely checking the appropriate box, signing and sending a $15.00 check back with their datasheets. ALL repeater owners are urged to carefully examine the datasheets and make any changes, additions or deletions necessary to have their computer information correct on the SERA repeater database, and provide correct listing in the SERA Repeater Journal.

Repeater owners DO NOT have to join SERA to have their database listing updated or receive any other service from the organization, this is a free no-obligation service of SERA. WE do urge each repeater owner to consider joining. Being a Full Member is a small price to pay to support the organization who has kept most repeaters interference-free with careful coordination over the past years. Our directors (coordinators) do not get paid, but phone, and mail expenses and other needs of the organization are paid by membership contributions. Your membership is certainly welcomed and strongly encouraged to see that the job of coordination is continued in the first class way we have come to expect in the Southeast. Join Us today - return your datasheet and your

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North To Alaska: A Modern Odyssey

-by Ted Wolfe, WD4KHL

It all began with a telephone call last year to the home of Sam Moore, W8NCD, at Charleston from a cousin he hadn't heard from in over sixty years. But Sam immediately recognized the cousin from his teen years and they exchanged six decades of family news. The cousin ended the call with an invitation for Sam to visit him in Alaska.

That planted the seed of an idea which began to germinate early this year when Sam purchased a new Ford Ranger pickup truck and equipped it with a topper. He began assembling his radios and with the help of Steve, KB8IAM, who fabricated a device to hold all the radios secure between the bucket seats, Sam began planning in earnest.

The radios were a Kenwood TS-430S for HF with an outboard tuner, an Alinco dual bander for 2-meters and 440 MHz, plus a 40-channel CB set and a public service scanner with some ham frequencies programmed into it on the seat on the passenger side.

Once the installation was completed, Sam discovered a glitch--the Kenwood was in permanent scan mode and would not stop scanning. He put in a quick call to a dealer and ordered a new Kenwood TS-140S HF rig. Before the new rig arrived, Sam removed the cover from the TS-430S and discovered a loose jumper wire. Once it was hooked up again the rig stopped scanning and worked fine. Sam took the new rig to Alaska in the back of the pickup as a spare but never had to use it. It remained in its box the entire trip.

For HF work there was a rear bumper mounted Hustler antenna with resonators for 80, 40, and 20-meters. Most of Sam's contacts while mobile were on 20-meters. When Sam returned home Cal Basham, W8NR, presented him with a computerized printout of all his contacts with friends back home with day, time, and others in the QSO listed.

Sam hoped to be in Alaska on June 21, the longest day of year, but various delays prevented him from departing Charleston until June 29. He deviated a bit from the itinerary he discussed with me prior to his departure, showing up at Mt. Rushmore, SD.

He entered Canada North of Great Falls, MT and picked up the beginning of the Alaska Highway at Dawson Creek in British Columbia, just over the Alberta Province line.

This year, 1992, happened to be the 50th anniversary of the construction of the 1,422-mile highway which was hastily built in 1942 shortly after the U.S. entered World War II.

The highway was built to provide a vital transportation and communications link to our Northernmost possession.

In British Columbia below the Yukon Territory line, Sam stopped at an RV outpost operated by "Mighty Mo," described by Sam as a "real character who told me at one time he had been a milionaire." There was a shed at the campground covered by many license plates left there by those who had passed through.

Sam asked if he might put up the old front plate with his ham call on the shed. "Mighty Mo" was agreeable and even helped him put it up. So future travelers will note the West Virginia W8NCD license plate on the wall. That was okey since West Virginia issues only a rear plate and the one Sam posted was an old one.

Upon arriving at Fairbanks Sam made a side trip to the Arctic Circle, joining seven other tourists and two pilots for a flight to an Alaska pipeline pumping station on the Arctic Circle. The return to Fairbanks was by bus and took considerably longer than the flight up. But it gave the tourists a ground view of the area to go with their earlier aerial view.

From Fairbanks Sam drove South to Anchorage, a town of over 400-thousand inhabitants, where he spent several days with his cousin and his family visiting and sightseeing.

For his return, Sam took highway 2 Northeast to Tok where he again rejoined the Alaska Highway and replicated his earlier route as far as Watson Lake near the Yukon Territory-BC line. There he broke away and headed South on Route 37 to Prince George and then Vancouver, BC, and into the "lower 48" at Washington. He traveled through Seattle to Richlands, then by way of OR, ID, and UT to Colorado where he stopped in Denver and Colorado Springs and toured the U.S. Air Force Academy. At another point he halted atop an 11-thousand-307-foot pass on the Continental Divide to make a few 2-meter contacts.

Along the way Sam said he noticed in some places in the far North that the highway in open spaces expanded to four or five lanes in width for some distance and there were signs posted saying "watch for aircraft."

Leaving Colorado Sam headed for Atlanta to visit son Sam, Jr. He passed through TX, OK, AK, TN, MS and AL.

At one stop in Arkansas he thought he would enquire of some locals what they thought of Presidential candidate Bill Clinton, who is Governor of that state. When he posed the question to a couple, they replied, "We're not from Arkansas, we're from West Virginia."

Following the visit with his son in Atlanta Sam headed North through SC, NC and Virginia where he visited a daughter. Then it was back to the

Continued on Page 53

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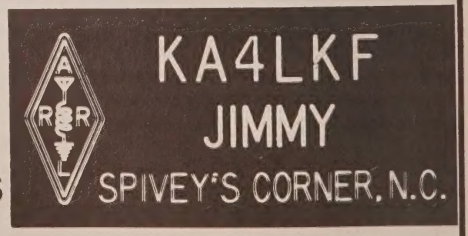

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Spectrum Management

The ARRL created the VHF Repeater Advisory Committee (VRAC) in 1968. The purpose of the committee was "to advise the Board of Directors and HQ staff in all matters concerning repeater operations and stations above 50 mHz".

In 1971 a group of North Carolina repeater owners formed an organization designed to assist in coordinating, communications and technical information, and to bring together all repeater owners into one united body. The North Carolina FM Repeater Association was the foundation for the SouthEastern Repeater Association (SERA) as we know it today.

In 1977 the ARRL established a the VHF/UHF Advisory Committee to advise the ARRL Board of Directors on every other mode used above 50 Mhz. Management of our radio spectrum was important back then and has become an essential part of frequency coordination. SERA Directors, Vice-Directors, frequency coordinators and numerous assistants are working very hard trying to maintain your frequencies.

You Like My New Name Badge!

There's no chance of anyone not being able to read Jim, WB4YYYs name badge. His wife, sue laughes as Sid, W4QWM raises his bifocles to try to read the badge. Jim said he had an engraver make the 12-inch wide badge as a conversation piece. He was right, it does cause conversation wherever he goes.

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The ARRL supports regional frequency coordination efforts by amateur groups. Band plans published in the ARRL Repeater Directory are recommendations based upon a consensus as to good amateur operating practice on a nationwide basis. In some cases, however, local conditions may dictate a variation from the national plan. ARRL recommended band plans have been the basis for many band plans used across the country.

Within the United States there are about 20 different organizations that coordinate frequency utilization by geographical area. In these areas, the written determination of the regional frequency coordinating body shall prevail and be considered good amateur operating practice in that region.

Recently, several ARRL recommended band plans have not met with nationwide acceptance from the user community. Because recent ARRL recommended plans have met with opposition the ARRL has determined their selection process needs to be reviewed. The ARRL Board of Directors voted in January (Minute 58) that all coordination councils and six-meter repeater sponsors shall be polled as to a preference in repeater offset. The results of the poll (dated May 20, 1992) demonstrated there is no consensus to a specific preference. Additionally, the Directors voted (Minute 82) the President appoint an Ad Hoc Committee to examine ways to more fully incorporate input from volunteer repeater coordinating groups and repeater users into the Board's decision making process.

The July 1992 issue of QST has an excellent article written by Kay Craigie, WT3P, concerning ARRL VHF band planning. The ARRL is searching for a better way to accomplish band planning. The premise of the Ad Hoc proposal is that the current VRAC/VUAC is not working and that the amateur community is unhappy with the current band planning process. The Ad Hoc committee has suggested the establishment of a nine member committee appointed by the President of the ARRL to make spectrum management decisions for America. These nine individuals would represent repeater coordination organizations, FM voice simplex interests, ATV interests, satellite interests, digital interests, and weak signal (SSB/CW/EME, etc) interests. The ARRL is seeking your input on the proposal.

Across the country you will find many differences from the SERA frequency utilization plan. The eight states that make up SERA have adop-

Continued on Page 51

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SEASONS GREETINGS

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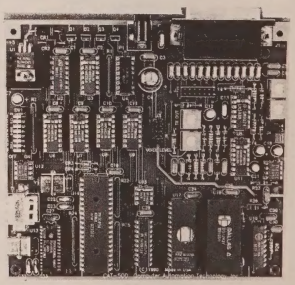

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Pre-registration requests without an S.A.S.E. or after November 8 will be held at the door.

Jamboree-On-The-Air Links Scouts Around The World Via Ham Radio

-Via ARRL Information Service

Boy Scouts around the world set up Amateur Radio stations on the weekend of Oct. 17-18 to exchange names, scout rank, hobbies and other information. The weekend, called the "Jamboree-on-the-Air" (JOTA) is the 35th annual celebration of Scouting and Amateur Radio. For many, it's the kickoff to many traditional fall and winter Scouting activities.

Scout troops often combine the event with other activities such as camping, field trips and study toward Scouting's Radio Merit Badge. In addition to temporary stations set up specifically for the event, the scouts have "permanent" JOTA stations in the U.S., Luxembourg, Norway, Mexico, the Philippines and Japan.

"Many of today's Amateur Radio operators got their start participating in the Jamboree-on-the-Air," says Steve Mansfield, Public Information Manager with the ARRL. "Talking person-to-person with other Scouts in other countries under the guidance of licensed hams is a memorable experience. For many, it may be their first exposure to youngsters from a culture foreign to their own."

Hams Cope With "Disaster" With October 17-18 Simulated Emergency

-Via ARRL Information Service

Hurricane, flood, tornado or worse, they all happened in an imaginary mode when hams throughout the U.S. set up their Amateur Radio stations for the annual Simulated Emergency Test on the weekend of October 17-18. By taking part in the simulation, the hams became better prepared for the real thing, should it ever happen.

Sponsored by the ARRL, the Simulated Emergency Test (SET) is a nationwide exercise to coordinate national Amateur Radio emergency messages through the National Traffic System, the Amateur Radio Emergency Service and the Radio Amateur Civil Emergency Service.

ARRL estimated that several thousand stations annual go on the air during that weekend, while countless other hams work with the participating hams.

All pitched in to handle communications in time of nation crisis. In fact they have been successful in real life recently during hurricanes, Andrew in Florida and Iniki in Hawaii, relaying countless health and welfare messages out of affected areas.

SouthEastern Repeater Association, Inc.

Full Repeater Membership Application

Join or Renew Full Membership for your Repeater(s) for Calendar 1993 - $15.00 for listing of All your Repeaters

Please fill out the Full Member Application. Maximum number of letters for your repeater Name is 14 characters. Be sure to list 2 persons as representatives. ONLY these two will be SERA reps and receive the Repeater Journal. MAIL YOUR CHECK AND APPLICATION TO: SERA MEMBERSHIP, P.O. BOX 215, TOBACCOVILLE, N.C. 27050

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REP. #2				
REP. #3				
REP. #4				

USE AS MANY LINES ABOVE AS YOU HAVE REPEATERS. IF MORE SPACE NEEDED, USE SEPARATE SHEET OF PAPER.

Name Two Persons Who Will Represent SERA as Full Members. Each Will Receive the Repeater Journal.

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PHONE: ( )_____ PHONE: ( )_____

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RJ 11--92

"The View from the Peak"

Lifesavers - When People Become Lost...

-by George ~~Brooks~~, N8CIX

It was an early afternoon this past Summer when Mary C. became separated from her husband while hiking near the 10,600 foot level in the Crags area on the northwest slope of Pikes Peak. When he looked back to check her progress, about four minutes after starting down a trail to return to their campground, she was nowhere to be seen.

Thinking she had stopped for a few minutes, he continued down to where their car was parked. An hour passed; other hikers came down the trail without seeing her. By this time, alarmed, he drove several miles to the highway and to a state park ranger post where the staff alerted the Teller County Sheriff.

Within minutes, the Sheriff decided it was time to place on "alert" the Teller County Search and Rescue team. My phone soon rang to place me on "standby alert."

The Amateur radio operator who is to oversee communications is usually the next person called after the SAR mission coordinator heading the effort. I began to get equipment checked and ready, anticipating it would be a "go" very soon. While it was a sunny and warm time in Woodland Park, I knew from previous missions how cold it could be when the sun went down at high elevation: time for thermal clothing, raingear, a thermos of coffee, food, flashlight, and other such good and necessary items.

My call came and I was on the way to choose an optimum site and set up a communications command post.

Mary was a Kansas native, hiking along with her husbnad, who happened to be a judge. Neither were experienced hikers and certainly not in the Colorado Rockies. They intended it to be a small afternoon hike. They brought no foot, water or warm clothing.

"Why would we need such items," they probably thought, "We'll only be gone a couple of hours."

Hours later, Mary was still up there; lost, cold, and we later learned -- with a twisted ankle from a rock fall. Until midnight, a dozen SAR members, in two and three-person teams, climbed the many twisting trails in the area, calling her name, listening for any response in the mountain stillness.

At the Communications post, I was handling search-related traffic on three frequencies: SAR simplex, the ham repeater (some of the SAR team were licensed amateurs) and the sheriff's repeater.

About 9 p.m., a series of thunderstorms blew over the area; lightning strikes were all about. Team mebers were trying to keep from being targets as they crossed high terrain. After an hour the stoms ended but then the clouds settled down to the ground in the search area. It was becoming impossible to see even short distances. We called in all SAR personnel to rest; one team of three, on a very high ridge in the clouds, decided to roll out sleeping bags from their packs and stay the night in place for safety's sake rather than attempting to descend the ridge.

As we gathered to analyze the situation confronting us, over some steaming hot coffee, it was apparent that further night searching in such conditions would be extremely dangerous. At that point, we concluded additional SAR teams should be called in from adjoining counties. I put the call out; then the mission was put on hold until dawn.

Meanwhile, lost and cramped, Mary had felt a need to move about, despite her twisted ankle. She came upon a dirt road, followed it, thinking it must lead somewhere. It didn't. There are dozens of such roads and trails here; few go anywhere but to a dead-end. She ended up under a pine tree in the storm while it rained, then hail fell. It was not a night for a woman to be out, much less with summer clothing, no food or water. When we asked her husband how good her sense of direction was, he replied, "She couldn't tell a compass it she were standing on it!" So much for that...

By 5:30 a.m. the assisting teams began to arrive and went into the field under Teller control. By 9 a.m. over 50 searchers were in the field. Search dogs had been called in.

After such a cold wet night, anyone was looking for a woman who was feared near dead, if not dead. A helicopter from Ft. Carson army post was called in to carry SAR members as spotters. At about this time, a "HELP" message on a piece of cardboard was found, signed "Mary." We later determined it was a hoax by some warped joker.

This mission, against high odds, turned out to be successful. At noon a team composed of three Teller Co. SAR members, one, an amateur with 2-meter equipment, came upon Mary, stumbling along a 4-wheel drive trail. She had come upon the trail just as the search team was approaching. The good news came over the amateur repeater. Mary was tired, cold and very hungry, but she was "Code One" -- alive, without serious injury. She apologized for putting us to so much work; she had, she said, "just been wandering around."

For those of us involved in lifesaving such as this, the reward is in the finding while alive. It's great to have lawmen, fire and ambulance crews tell you of doing a great job, but I must admit the surge of adrenalin one gets upon successfully completing a long, tiring and sometimes hazardous mission with a live rescue is worth more than any words one hears.

Knowing amateur radio and our club repeater, and those among us who are amateurs, volunteering in doing a much-needed job, have helped in such an effort adds to the feeling of satisfaction. It's true: in search and rescue, it's better to attempt to do something and fail, than to attempt to do nothing and succeed.

While we don't get called on daily as do police or fire laddies and lassies, every time we go out, it is a matter of life and death.

You're Invited To Join!

If you are reading this Repeater Journal for the first time - why not make it a point of getting each issue every quarter of the year.

What better way to keep abrest of what is happening in the SouthEast, plus updated repeater indexes, and hamfests. The Journal is must reading for the VHF/UHF Amateur - every quarter. We'd love to have you join.

You can fill out the Associate Membership application on Page 58 - send it along with your check made out to SERA Membership for $6.00 to: SERA MEMBERSHIP, P.O. BOX 215, TOBACCOVILLE, NC 27050. And get the next issue!

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MARCH 13 & 14, 1993

FLASH!!!

The traffic problems caused by the Super Sale and the road construction will not interfere this year. The Briar Creek Overpass is scheduled to be complete by this December, making for easy entry to the hamfest for west bound travelers. The Super Sale folks have been moved to a different date, so there should be no congestion in the parking lots this year.

Charlotte Hamfest and ComputerFair

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SwapFest Vendors may enter at 7:00 AM Saturday, and 8:15 AM Sunday for setup.
Dealers may enter at 7:00 AM Saturday, and 8:00 AM Sunday.
Dealers may unload Friday from 11:00 AM until 9:00 PM
SwapFest Vendors with 5 or more tables may unload Friday after 3:00 PM
SwapFest Vendors with 4 or less tables may unload Friday after 6:00 PM

TICKETS - $6 PRE-REGISTRATION <------> $8 AT THE DOOR
6 FOOT SWAPFEST TABLES - $18 (PRE-REGISTRATION ONLY)
CHAIRS - $1 CHILDREN 12 AND UNDER - FREE
Merchandise Mart charges $3 for parking,
The Charlotte Hamfest does NOT receive any income from parking fees
We recommend you carpool to save parking fees!
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The SERA Repeater Journal

VE/VEC EXAMINATION SCHEDULE

The VEC/VE Exam schedule is published Free as a public service of SERA. Schedules are supplied by individual VEC/VE teams. For quarterly changes, or additions, write the Repeater Journal Editor. SERA cannot assume any responsiblity for erronious or outdated listings other than typographical errors.

Tennessee

Blount County, Maryville WCARS-VEC

Walk-in exams held Second Monday on each even month at 7:00 P.M. at St. Andrews Church Hall, W. Broadway, Maryville. Sked: Dec. 14, 1992, Feb. 8, Apr. 12, Jun. 14, Aug. 9, Oct. 11 and Dec. 13 1993. Contact: Carrol Peabody, W4PCA, 2054 Independence Dr., Maryville, Tn. 37804 (615) 982-5839. Talk-in: 146.85.

Carter County WCARS-VEC

Exams given on the fourth Friday evening of each odd numbered month at 7:00 p.m. at Moody Aviation, Carter Cty. Airport Elizabethton. Pre-registration is required by day before tests. NO walk-ins. Schedule: Nov. 27, 1992, Jan. 22, Mar. 26, May 21, Jul. 23, Sep. 24 and Nov. 19, 1993. Contact Joe Hopkins, K4BKI, 414 E. "H" St., Elizabethton, Tn. 37643 (615) 543-4022 or Jon Christiansen, AB4NN, Echo Dr., Elizabethton, Tn. 37645 (615) 543-7155.

Chattanooga WCARS-VEC

Walk-in exams held on the first Monday of off numbered months at Walker County (Ga.) Civic Center, Hwy. 27, Rock Springs, Ga. at 7:00 p.m. Sked: Nov. 21, 1992, Jan. 4, Mar. 1, May 3, Jul. 5, Sep. 6 and Nov. 8, 1993. For more information, contact: Alan Painter, WA4QCH, 234 Wallaceville Rd., Rossville, Ga. 30741, or Dale Harwood, N4VFF, Rt. 4, Box 297-B, Hwy. 41N, Ringgold, Ga. 30732. (404) 937.5680.

Fentress County WCARS-VEC

Walk-in exams third Thurday night of first month of quarter at 7:00 p.m. at First Baptist Church. Sked: Jan. 18, Apr. 15, Jul. 15, and Oct. 21, 1993. For information contact: Mike Ledbetter, AB4BX, Rt. 4, Box 759, Jamestown, Tn. 38556, (615) 879-8626 or Steve Qualls, KJ4HT, 17 Sleepy Hollow, Jamestown Tn. 38556 (615) 879-7517. Talk-in: 147.09.

Gallatin WCARS-VEC

Exams held during two hamfests. Jan. 23, 11:00 am. Pre-registration only, and Oct. 2, Hamfest. Contact: Ronnie L. Gilley, KA4LUG 512 Hillside Ln. Gallatin, Tn. 37066 (615) 452-0883 or Jerry Goodchild, K4DZR, 233 Sterling Rd. Hendersonville, Tn 37075. (615) 824-7699.

Greeneville WCARS-VEC

Walk-in exams on 4th Saturday of each odd-numbered month at Roby Adult Center on College St. Sked: Nov. 28, 1992, Jan. 23, Mar. 27, May 22, Sep. 25 and Nov. 27, 1993.. Contact: Jack Creed, K4EPC, 826 Rosebud Dr., Greeneville, Tn. 37743. (615) 638-7056. Talk-in: 147.39 & 224.94..

Henry County WCARS-VEC

Walk-in exams held every 6 weeks at 9:00 a.m. at Henry County High School, Paris. Sked: Nov. 14, 1992, Feb. 2, Mar. 20, May 1, Jun. 12, Jul. 24, Sep. 4, Oct. 16, and Nov. 27, 1993.. Contact Mackie Gallimore AA4YF, P.O. Box 68, Puryear, Tn 38251 (901) 247-5489 or Les Merrell, KQ4F, 1214 Sherwood St., Paris, Tn. 38242 (901) 642-5966. Talk-in: 147.165.

Jasper WCARS-VEC

Pre-Registration requested, some walk-in exams limited to test materials on hand, held each second Sunday afternoon at Jasper Public Library at 1:00 p.m. Sked: Dec. 13, 1992, Jan. 10, Feb. 14, Mar. 14, Apr. 11, May 9, Jun. 13, Jul. 11, Aug. 8, Sep. 12, Oct. 10, Nov. 14 and Dec. 12, 1993. Contact Charles Wooten, KD4XX, 103 W. 7th St., Jasper, Tn. 37347 (615) 942-5116 or Wallace S. Brown, KD4XV, 409 Magnolia Ave., Jasper, Tn. 37347 (615) 942-2836. Talk-in: 145.19.

Johnson City WCARS-VEC

Exams are conducted 3rd Saturday of each even month at 10 a.m. at ETSU, Room 223. Participants must be registered at least 1/2 hour before exam time. Sked: Dec. 19, 1992, Feb. 13, Apr. 10, Jun. 12, Aug. 14, Oct. 9 and Dec. 11, 1993. Contact Charles Hensley, AC4QF, Rt. 2, Box 19A, Unicoi, Tn 37692. (615) 743-5144, or at work (615) 926-1171, ext. 7807. or C.V. Jayne, Jr. W4NHT, 2408 Hawthorne Dr., Johnson City, Tn. 37601. (615) 282-5822. Talk-in: 146.79.

Knoxville WCARS-VEC

Pre-Registrations accepted in exam room until 9:30 a.m.. Code tests begin at 10:00 a.m. and written elements at 11:00 a.m. Third Saturday of each month normally. Upgrades only. Novice testing on request from N4BAQ, ND4F, WA4GZE, N4IJL, W4MHA, WA4TKN and others. Pellissippi State Tech. Room B-129. Pre-registration required. Sked: Nov. 21, Dec. 19, 1992, Jan. 16, Feb. 6 (Kerbella Hamfest), Mar. 20, Apr. 10 (Oak Ridge Hamfest), May 15, Jun 5, Knoxville Hamfest, Jun. 19, Jul. 17, Aug. 21*, Sep. 18*, Oct. 16*, Nov. 20* and Dec. 18*, 1993 (*=Tentative dates. Contact: Ray Adams, N4BAQ, 4325 Felty Dr., Knoxville, Tn. 37918. (615) 688-7771. Alt. Rich Slover, ND4F, P.O. Box 30754 Knoxville, Tn. 37930, (615) 539-4821. Talk-in: 147.30 & 224.50

Loudon County, Loudon WCARS-VEC

Walk-in exams held on Fourth Saturday of each even month, at Third National Bank on U.S. 321 E. (321 is Exit 81 on I-75, then East to Bank) Sked: Dec. 26, 1992. Contact: Bob Gray, KE4SK 1114 Welch Ave., Loudon, Tn 37774 (615) 458-6115. Talk-in: 145.17.

McMinn County WCARS-VEC

Walk-in Exams on 2nd Monday evening at 8:00 p.m. of each odd numbered Month, at Athens Municipal Building Council Chambers. Sked: Nov. 9, 1992, Jan. 11, Mar. 8, May 10, Jul. 12, Sep. 13 and Nov. 8, 1993.. Contact: Evan Ray, WA4PNI. 529 N. Wash. Ave., Etowah, Tn. 37331 (615) 263-9300. Talk-in: 145.31

Memphis WCARS-VEC

Walk-in exams held 3rd and 4th saturday of each month at 9:00 a.m. at Central Church on Winchester Road. Sked: Nov. 21 & 28, Dec. 19 & 26, 1992, Jan. 16 & 23, Feb. 13 & 20, Mar. 20 & 27, Apr. 10 & 17, May 15 & 22, Jun. 12 & 19, Jul. 17 & 24, Aug. 21 & 28, Sep. 18 & 25, Oct. 16 & 23, Nov. 20 & 27, Dec. 18, 1993. Contact: Win Guinn, W2GLJ, 2138 Sonning Dr., Germantown, Tn. 38138 (901) 754-4552 or Nita Wofford, N4DON, 2966 Cordell St., Memphis, Tn. 38118 (901) 363-4971, or Stan & Mary Moore, AC4CQ & AC4GF, 3993 Wildwood Cove, Memphis, Tn. 38115 (901) 795-5923.

Morristown WCARS-VEC

Walk-in exams 1st Thursday of each odd-numbered month, at 7:30 p.m. at the Red Cross Building. Sked: Jan. 9, (Hamfest), Mar. 4, May 6, JUl. 1, Sep. 2, Nov. 4, 1993. Contact Roy Zeigler, KF4CB 2261 Warren Dr., Morristown, Tn. 37814 (615) 586-3491, or D.C. Gluck, WD4FOX, P.O. Box 335, Talbott, Tn. 37877 (615) 586-2041. Talk-in: 147.225

Roane County WCARS-VEC

Walk-in exams are held on the second Saturday of each even month at Pond Grove School, Rockwood. Sked: Dec. 12 , 1992, Feb. 13, Apr. 10, Jun. 12, Aug. 14, Oct. 9, Dec. 11, 1993. Contact: Richard Spille, AA4KS, 306 S. Kingston Ave., Rockwood, Tn 37854 (615) 354-4281, or Bill Smelcer, KA4AAD, P.O. Box 53, Harriman, Tn. 37748 (615) 354-1010. Talk-in: 147.015.

West Virginia

Beckley W5YI-VEC

The Smoke Signal Ridge VE Team, sponsored by the ARA, Northern Dividion will conduct Novice through Extra Class test sessions in Rooms C108 and C109 at the Mine Safety & Health Admin. Academy, located near Beckley, adjacent to the Raleigh County Airport just off Exit 125 on I-64. Walk-in exams begin promptly at 6:00 p.m. on Dec. 12.

Bluefield W5YI-VEC

Exams (Novice thru Extra) second Saturday each Quarter during 1992, Feb., May., Aug., and Nov. 9:00 a.m. Bluefield State College. Walk-ins are preferred. Contact: Don Williams, WA4K, (Bluefield VE Team) (703) 326-2411 or (703) 326-3338.

Charleston, W5YI-VEC

The Kanawha Valley group gives Novice thru Extra class exams at 9:00 a.m. 3rd Saturday of each month, at Holy Trinity Catholic Church in Nitro. Walk-ins are accepted. Talk-in on 40-00 St. Albans repeater.

HUNTINGTON, TARA W5YI-VEC

The Tri-State ARA VE Team will conduct Walk-In Exams at the Our Lady of Fatima Church, 545 Norway Ave. Huntington. Check-in by 9:15 a.m., exams at 10 a.m. Bring photo ID, current license and copy. Sked: Dec.12. For further exam information Contact: Jim Baker, K8KVX, (304) 736-6542.

NITRO, W5YI-VEC

Walk-in exams (register at site) are held at the Holy Trinity Catholic Church. Registration begins at 9:00 a.m.. Talk-in on 40-00. Sked: Nov. 21. For further information contact: Jimmie Hewlett, WD8MKS, 2207n Fairlawn Ave., Dunbar, WV 25064. (304) 768-1142.

Virginia

Bedford ARRL-VEC

Walk-in exams for all classes are held every 2nd Sunday of the month at 1:00 p.m. at the Liberty Lake Park Administration Building. For further info, contact August Meidling, N4PVU (703) 297-5515

Continued on Page 50

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145.170 Bolt Mtn. Beckley, Wv. WF1G	147.030 Herndon Mt. Mullens, Wv. KC8IT	444.625 East River Mt. Bluefield, Wv. WZ8E
145.310 Mann Mtn. Beckley, Wv. WF1G	147.270 Poor Mt. Roanoke, Va. KB4QWO	444.800 Lick Knob Beckley, Wv. WF1G
		442.300 Bolt Mt. Beckley, Wv. AA8BS

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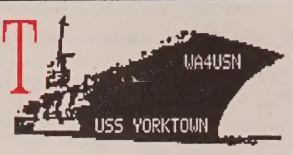

SATURDAY FEBRUARY 20, 1993

Sponsored by the

CHARLESTON AMATEUR RADIO SOCIETY, INC.

AN ARRL SANCTIONED EVENT

Doors open at 8:30 AM and close at 4:00 PM

Location:	**Charlestowne Landing**, in the Geodesic Dome. 1500 Old Town Plantation Rd. off Hwy. 171. Tell person at the gate you are with the Hamfest and there will be no fee.
Talkin:	146.19/79 Mhz. Other repeaters 144.65/145.25 Mhz and 147.87/27 Mhz
Facilities:	Large indoor area with 10,000 square feet of show room.
Tables:	Pre-registration $8.00. At the door $10.00. IF AVAILABLE

Food: Plenty of good food will be available on site and nearby.

Registration: Tickets will be sold Saturday morning at the door. $5.00 adults. Children under 12 admitted free.

Activities: BINGO for YL's, XYL's and HARMONICS.

Prizes: Grand Prize: $400.00 Second Prize: $200.00
Third Prize: $100.00 You do not need to be present to win.

Volunteer Exams: VE exams will be given on the campus of Trident Technical College. Please bring original and a copy of your amateur license, any CSCE's you have, two ID's, one with a photo. All testing will be on a **WALK-IN** basis only and will begin at 11:00 AM. For further information, call (803) 871-4368 or (803) 572-1164.

For more Hamfest information call Jenny Myers at (803) 747-2324 or Linwood Sikes at (803) 556-5566.

To Pre-register Tables:
Fill out the form on the back of this flyer.
Send a check to Jenny Myers WA4NGV made out to "C.A.R.S. Hamfest Committee".
The fee is $8.00 per table.
Tables may be available at the door for a fee of $10.00 but Can Not be guaranteed.

VEC/VE Examinations - Continued

Danville W5YI-VEC

Walk-in Exams for all license classes are held the last Tuesday of each month January through November, 1992 at Danville Community College, Hill Building. Registration starts at 6:30 p.m. Contact Richard Marshall, WB4CCT, (804) 793-0772 for further information.

Roanoke WCARS-VEC

Upgrades only. Novice testing on request from AF2D or W4OLD. Pre-registration only for exams Feb. 2 at Hollins College, 8:00 p.m, and May 15 at Hamfest. Walk-in on Sep. 25, Dec. 4, 1993 at Hollins College. For information contact Fred L. Horton, KZ4Y, 4024 Oakland Blvd., Roanoke, Va. 24012. (703) 366-6266. or Ben Giavaden, N4BG, Rt. 7, Roanoke, Va. 24022, (704) 344-7000. Talk-in on 146.985.

Norfolk, Va. Beach, Hampton Roads, Portsmouth, Chesapeake, Wmsburg.

All exams: Walk-ins are ok, but contact person would like to know in advance you are coming. Bring original license and photo copy and any license upgrade certificates. See individual exam announcements for appropriate contact person.

ARRL EXAMS - make check for $5.40 payable to ARRL/VEC. For W5YI Exams - make check for $5.40 to Bill Verebely/ VEC. For Hampton Roads Radio Assn. exams, make check out to HRRA/VEC.

Southeastern Virginia Schedule

HAMPTON ROADS RADIO ASSN. (W5YI/VEC) contact Bill Runyon, N4BDH at 487-8611. Sked: Nov. 21.

SOUTH PENINSULA ARC (ARRL/VEC) Contact Ed Brummer, W4RTZ at 898-8031.

VIRGINIA BEACH ARC (ARRL/VEC) contact Ed Robinson, WD4GOY, 468-0866. Sked: Dec. 5.

WILLIAMSBURG ARC (ARRL/VEC) Contact Andrew Swanson, WJ4X at 253-2811. All exams walk-ins only.

North Carolina

Asheboro VE Team

Exams held each quarter at Belfour Baptist Church, 1642 N. Fayetteville St. and at other times when there are sufficient examinees to warrant an exam session. For exact dates or further information, contact: Dwight Ayers, N4ZRT, P.O. Box 246, Cedar Falls, N.C. 27230. (919) 629-5516.

Asheville WCARS-VEC

Walk-in exams are held on the last Saturday of April, July and October at 9:00 a.m. at the Health and Social Services Bldg. 25. Sked: Jan. 23, Apr., 24, Jul. 24 & 25 (Hamfest) and Oct. 23. Contact Norman G. Harrill N4NH, 7 Skylyn Ct., Asheville, NC (704) 253-1192. Talk-In: 146.91 & 224.60.

Asheville WCARS-VEC

Walk-in exams held at 2:00 p.m. Sunday at the Elm Bldg., Rm. 134 of AB Tech. Sked: Feb. 21, May 16, & Nov. 21. Contact Mary Dull AA2AB, 129 S. Mills River Rd., Horseshoe, NC 28742 (704) 891-5481, or Don Lovelace, W4TMT, P.O. Box 959, Spruce Pine, NC 28777 (704) 765-5311. Talkin on 146.91 and 224.60.

Charlotte ARRL-VEC

Examinations are scheduled quarterly in November, February, May and August. For information on dates and locations, contact: Rob Rochelle, WA4DAZ (704) 845-3099 or Mary Hunt, KA4EXP (704) 845-9429

Durham

Exams are given on the 2nd Saturday of odd months. Please pre-register by mail with SASE to KY4Y, 120 Radcliff Circle, Durham, NC 27713.

Greensboro W5YI-VEC

Walk-in exams for all license classes are held the 3rd Thursday of each month, at the Trotter Center on Vandalia Rd., January thru November, 1992. Registration starts at 6:30 p.m. For more information, contact WB4CCT, WB4WOR, N4GGD, N4BYU or W3GRG on the 146.76 repeater, or call Real Talk (919) 299-2525, Prompt 0076, on a touch tone phone to get the latest exam updates.

High Point TEARC-VEC

Exams are scheduled on an occasional basis in High Point. Call Jim Williamson, NQ4T at (919) 841-7576 for more details. Special sessions are also available for groups of 5 or more applicants, call to set up a session.

Kernersville TEARC-VEC

Exams are scheduled each 1st Saturday of the Month at 9:00 a.m. at the Kernersville Public Library. Contact Jim Williamson, NQ4T at (919) 841-7576 for details.

Leicester WCARS-VEC

Walk-in exams held second Saturdays each quarter. at 9:00 a.m. at the Leicester VFD on Hwy. 63, 9.3 Mi N of Hwy 19 & 23 (Patton Ave-Asheville). Sked: Dec. 12, 1992, Mar. 13, Jun. 12, Sep. 11, Dec. 11, 1993. Contact: Larry E. York, WB4PLA, Rt. 4, Box 420, Leicester, NC 28748. (704) 683-1400. Talk-in on 146.835 & 224.66.

Marion WCARS-VEC

Walk-in exams at the Asheville Federal Bank on Main St. Sked: Nov. 21, 1992, Feb. 13, Apr. 10, Jun. 12, Aug. 14, Nov. 13, 1993. Contact: Cecil D. Potter, WB4UCF, Rt. 4, Box 860, Marion, N.C. 28752. (704) 724-4007. Talk-in on 146.985.

New Bern WCARS-VEC

Walk-in exams held at New Bern High School at 9:00 a.m.. Sked: Jan. 23, Mar. 27, Jul. 5. (Aug.-Dec. unscheduled at press time. - coming later) Contact: Andy Griffith, W4ULD, 203 Lord Granville, Dr., Rt. 2, Morehead City, NC 28857. (919) 726-5924 or (919) 247-0967.

Raleigh

Examinations are conducted on the 1st Wednesday of even months. Pre-register by mail with SASE to AA4MY, 220 Carriage Trail, Raleigh, NC 27614.

Rutherford County WCARS-VEC

FCC Exams are held at Isothermal College in Spindale on the 3rd Saturday, 1st Month of each quarter. Sked: Jan. 16, Apr. 17, July 17, Oct. 17. Contact: A.B. Brackett, KO4BJ, Rt. 2, Box 242, Bostic, NC 28018 (704) 245-63344 or F. Bruce Tessinear, KD4OJ, P.O. Box 341, Henrietta, NC 28076. (704) 657-5464. Talkin on 147.24.

Salisbury W5YI-VEC

Salisbury VE team has Exams on 2nd Sunday of each month, at 1:00 p.m. Location is at the Rowan County Public Library. For more information contact: Isabelle Ledford, AB4UX, P.O. Box 826, Cooleemee, N.C. 27014. (704) 284-2414.

Spruce Pine WCARS-VEC

Exams held at Burnsville Public Library at 9:00 a.m. Sked: Feb. 13, May 15, Aug. 21, Nov. 13. Contact: David McCarty, KK4PW, 391 E. Main St., Burnsville, NC 28714 (704) 675-9044 or David L. Gillespie, WA4LLR, Box 33, Cane Branch Rd., Micaville, NC 28755 (704) 675-9942. Talkin on 147.375.

Tarboro ARRL/VEC

The Tar River ARC gives exams every two months at the Heritage Hospital in Tarboro at 9:00 a.m. Bring I.D., orig and copy of license. Sked: Nov. 14. For further information or assistance, contact Bill Thomas WF2G, 652 Short Spoon Cir., Rocky Mt., NC 27804. (919) 442-6131 *(Ed. Note: brochure did not mention walk-in, however did not indicate pre-registration required. Suggest call.)*

Wilson

Pre-registration is recommended for exams on the 2nd Saturday of the month quarterly. Sessions will be held at the Wilson County Library Conference Room at 9:00 a.m. Sked: Nov. 21, 1992, Feb. 20, May 15, Aug. 21, Nov. 20, 1993. Contact Tommy Evans, NE4J at (919) 291-1738 nights, (919) 237-1898 days for more information and to register.

Yadkinville VE Team

Walk-in FCC exams sponsored by the Bear Creek ARC are given on the 2nd Saturday of each month at the Yadkinville Elementary School on Rt. 601 at 10:00 a.m. For information call Steve Hutchens, N4DEY at (919) 961-8741.

Georgia

Augusta, ARRL-VEC

Walk-in exams conducted 2nd Saturday, every even month at Fort Gordon, Bldg. 20301 at 9:00 a.m. Sked: Dec. 12, 1992, Feb. 13, Apr. 10, Jun. 12, Aug. 14, Oct. 9, Dec. 11, 1993. Contact: Ace Norton, NA4I (706) 798-5060. Talk-in 146.985.

Augusta WCARS-VEC

Walk-in exams on 2nd Saturday of each Odd numbered month at Sue Reynolds Community Center. Code tests at 10 a.m. Written elements at 11 a.m. Sked: Jan. 9, Mar.13, May 8, Jul. 10, Sep. 11 and Nov. 13, 1993. Contact Jim Abercrombie, N4JA, 2360 Travis Pines Rd., Augusta, Ga. 30906. (404) 790-7802. Talk-In: 145.49.

(Metro Atlanta Area Examinations)

Lawrenceville W5YI-VEC

Exams scheduled 1st Sunday each month at 2:00 p.m. at Jackson EMC, 461 Swanson Rd., Lawrenceville. Walk-ins accepted. Contact Duane Reynolds, WB2YAD, 962-9582.

Peachtree City CA-VEC

Exams scheduled 1st Saturdays at 9:00 a.m. at Peachtree City - City Hall. Take exit 12 off I-85 and go South on Hwy 74. Walk-ins ok. Contact Mike Murphy, KB4KZY, 487-7494.

Roswell CA-VEC

Exams scheduled 1st Monday of each month at 7:00 p.m. at the St. Ann Catholic Church, 4905 Roswell Rd., Marietta. For info, contact: Delaine McCarthy, KM4FV 993-9758.

Stone Mountain CA-VEC

Schedule is 2nd Saturday of each month, at 8:30 a.m. at Stone Mt. Methodist Church, 5312 W. Mt. St. Walk-ins accepted. Contact Hal Martin, KI4RD, 469-6430.

Southern Tech CA-VEC

Exams on 3rd Saturday each month. Walk-ins accepted. 9:00 a.m., at Southern Tech, Room 4310, Academic Bldg.. (Exit 112 from I-75) Contact Hal Martin, KI4RD, 469-6430.

DeKalb County CA-VEC

Walk-in exams held 4th Thurs. of the month at 7:00 p.m. at

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DeKalb Co. Police, E. Precinct, Lithonia. Contact Harvey Pearson, WB4PHF, 972-5061.

North Atlanta ARRL-VEC
Walk-ins accepted for exams held on 4th Sunday each month at 2:30 p.m. at Church of the Atonement on Highpoint Rd. Contact Neil Foster, KC4MJ, 449-3340.

Dalton WCARS-VEC
Exams on last Saturday of each even numbered month at Unity Baptist Church at 3:00 p.m. Pre-registration only - send 610 to N4BZJ to arrive no later than day before exam. Sked: Dec. 26, 1992, Feb. 27, Apr. 24, Jun. 26, Aug. 28, Oct. 30, Dec. 25??, 1993.. Contact Bert L. Coker, N4BZJ, 2102 Millican Lane, Dalton, Ga. 30721. (706) 259-5625 or Harold W. Jones, N4OTC, P.O. Box 211, Rocky Face, Ga. 30740. (706) 673-2291. Talk-in: 147.315.

Kentucky

Hazard WCARS-VEC
Walk-in Exams held at Ray G. Eversole School. For exact dates and additional information, contact John Farler, K4AVX, 109 Hall St. Hazard, Ky 41701 (606) 436-5354.

Louisville WCARS-VEC
Walk-in exams are normally held the 3rd Saturday of odd numbered months at 10:00 a.m. - 2:00 p.m. at the Government Center, Outer Loop, 3 miles East I-65. Sked: Nov. 21, 1992, Jan. 16, Mar. 20, May 15, Jul. 17, (Sept. 25-26 Hamfest), Nov. 20, 1993. Contact Otis Herron AA4HJ, 4810 Hood Road, Louisville, KY 40213. (502) 969-7332. or Bob Happell, N4GLX, 2012 Ben All Road, Louisville, KY 40223. (502) 425-5260. Talk-in is on 147.18.

Middlesboro WCARS-VEC
Walk-in exams on 2nd Saturdays of each odd numbered month at Middlesboro Library. Sked: Nov. 14, 1992, Jan. 9, Mar. 13, May 8, Jul. 10, Sep. 11, Nov. 13, 1993. Contact: Andrew A. Pitt, WB8WEZ, P.O. Box 2164, Middlesboro, Ky 40965 (606) 248-0046 or James Dyke, KZ8A RR 1, Box 295AA, Cumberland Gap, Tn 37724 (615) 869-4453. Talk-in: 146.775.

South Carolina

Charleston WCARS-VEC & W5YI VEC
Walk-in Exams will be held third Saturday of each month at 9:00 a.m. at Trident Tech College on Rivers Ave. in North Charleston, Bldg. 630, Rm 130.. Even months by W5YI team, and odd months by WCARS team. Sked: Nov. 21 and Dec. 19, 1992. Currently For 1993: Jan. 16, Feb. 20, Mar. 20, April 17, May 15, June 19. Jul. 17, Sep. 18, Nov. 20, 1993. If holidays fall on a Sat or Sun. testing will be on the 2nd Saturday of that month. Contact: Ed Frank, 614 Longstreet Cir., Summerville, SC. (803) 871-4368. (W5YI) and Pat Foster, AC4IH, 117 Keenan Ave., Goose Creek, Sc. 29455, (803) 553-3871 or Werner E. Dolder, AA4IX, 3278 Heber Rd., Summerville, SC 29483 (803) 873-9465 (WCARS)

Columbia, WCARS-VEC
Walk-in exams held on third Saturday of even months, at the Red Cross Bldg., Bull Street and Harden Ext., in Columbia at 8:30 a.m. Sked: Dec. 19, 1992, Feb. 20, Apr. 17, Jun. 19, Aug. 21, Oct. 16, Dec. 18, 1993. For info contact: Ray Rogers, N4WR, P.O. Box 550, Chapin, S.C. 29036. (803) 345-3373.

Greenville WCARS-VEC
Walk-in Exams 1st Saturday of each odd-numbered month at 8:30 a.m. at O'Neal Engr. Bldg. 850 S. Pleasantburg Dr. Sked: Jan. 9, Mar. 6, May 1 At Hamfest, Jul. 10, Sep. 11, Nov. 6, 1993. Contact John Chism, ND4N, 203 Lanewood Dr., Greenville, SC 29607. (803) 288-0136. Talk-in 146.61

Lancaster W5YI-VEC
Novice thru Extra. Pre-Regis, or Walkins. 9:30 a.m. USC, Main Bldg. Talk-in: 10-70. Contact Grady Robinson, AK4N, 902 Forest Dr., Lancaster, SC 29720. (803) 283-8298. Call or write for dates.

Spartanburg WCARS-VEC
Exams 2nd Tuesday of each even-numbered month at 7:00 at Spartanburg Chapter of the American Red Cross on Garner Road. Walk-ins normally accepted. For information contact: Pete Theiler, KI4KN, P.O. Boxs 5369, Spartanburg, SC, 29304. Phone 585-4919 (night) 578-5566 (day)

Sumter WCARS-VEC
Walk-in exams are held each 3rd Saturday of each odd numbered month at the Abundant Faith Church on Hwy. 521. at 8:30 a.m. Sked: Nov. 21, 1992, Jan. 17, Mar. 20, May 15, Jul. 17, Sep. 18, Nov. 20, 1993. Contact: Dan Mask WB5SGH, 404 Sanders Drive, Sumter, SC 29150. (803) 775-9106.

Mississippi

Gulfport ARRL-W5YI VEC
Exams held at Harrison Cty. Courthouse in CD conf. room at 8:00 a.m. Contact for schedule, Stan Hecker, AA4SP (601) 875-9341 day and 875-0222 nights.

Laurel WCARS-VEC
Walk-in exams each 2nd Saturday of Feb., May, Aug., and November, at Civil Defense Building, Laurel Airport. For exact dates and info, contact Steve Grantham, N5DWU, P.O. Box 127, Ellisville, Ms 39437, (601) 763-3559 or Randall E. Windham, KG5ML, Rt. 7, Box 1613, Laurel, Ms. 39440 (601) 729-8693.

Ocean Springs ARRL-W5YI VEC
Exams will be held at 7:00 p.m. at Ocean Springs Library in meeting room. Pre-registration requested, limited walk-ins accepted. For exam schedules, contact Stan Hecker, AA4SP (601) 875-9341 day and 875-0222 nights.

Arkansas

West Memphis WCARS-VEC
Walk-in exams are held on 2nd Saturday of each month at 9:00 a.m. at the Rosewood United Meth. Ch. 2303 E. Barton Ave. Sked: Nov. 14, and Dec. 12 1992, Jan. 9, Feb. 13, Mar. 13, Apr. 10, May 8, Jun. 12, Jul 10, Aug. 14, Sep. 11, Oct. 9, Nov. 13, Dec. 22, 1993. Contact: Gene Bagley, AB5BL, Rt. 1, Box 13, Dunhill Rd. N, Marion, AR 72364 (501) 739-4029, or Rev. Richard Gregory, AB4CH, 824 Pryor Dr., West Memphis, AR 72301. (501) 735-4060. Talkin on 147.15.

Indiana

New Albany, WCARS-VEC
Walk-in Exams are conducted on the 3rd Saturday of even numbered months from 10:00 a.m. - 2:00 p.m. at the Indiana University South, Grant Line Road. Sked: Dec. 19, 1992, Feb. 20, Apr. 17, Jun. 19, Aug. 21, Oct. 16, Dec. 18, 1993. Contact Dick Truax, K8GVU, 3018 Gus Emmett Trail, Sellersburg, IN 47172. (812) 246-6377 or "Mac" McCrory, NM9A, 3148 Taylor Drive., Jeffersonville, In 47129 (812) 944-6661.

IMPORTANT NOTE TO ALL VEC/VEs
We are compiling our 1993 examination schedule now for the upcoming February 1993 Repeater Journal. If we receive no updates or confirmation of your current exam listings for 1993, we must eliminate that listing.

Spectrum Management

Continued from Page 39

ted a standard that is accepted in our geographic region. Within SERA, frequency coordinations are made using one standard frequency utilization plan. The frequency coordinator in each district has the discretion of making spacing decisions at the time of coordinating individual frequency pairs. Unless states bordering our area use different plans the task of frequency coordination is relatively simple. Although the review process is very critical to a "good" coordination. Our coordinators must recognize bordering states plans in order for frequency coordination to be successful. Neighboring frequency coordinators that have different plans attempt to accommodate their plan and our plan when assigning repeater pairs.

On six meters there are three significantly different plans and on two meters there are two different plans that have been adopted by the various coordinating councils. Co-channel and Adjacent channel separation (in miles) varies also. Is a national plan any better than one that works locally? If you were manufacturing amateur radio equipment that automatically selects the correct input frequency for a given output frequency, would it matter if a national band plan were adopted? As a focal point for amateur radio should the ARRL even try to establish a standard plan? You have the opportunity to make your comments known on how you feel about band planning. Contact any SERA representative in your area and let

Continued on Page 53

8 More New Hamfest Sales Records At the following Hamfests in 1992:

- ➡ Elkin, NC
- ➡ Fayetteville, WV
- ➡ Roanoke, VA
- ➡ Winston-Salem, NC
- ➡ Winchester, VA
- ➡ Va. Beach, VA
- ➡ Spruce Pine, NC
- ➡ Gray, TN

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W4EL - 50 Years as A Ham

Continued from Page 6

used one of his homebrew rigs for both microwave and nuclear physics research until very recently.

At home, Dad spent long hours in the basement constructing from scratch rack mounted rigs. His last homebrew transmitter was built in 1958 (although after that he did build a linear amplifier that was patterned after the National NCL-2000). By the time commercial rigs dominated ham radio, he spent more of his time experimenting with different modes of operation, from radioteletype to slow scan TV to VHF FM. He also enjoyed QSOs around the world and stacks of QSL cards accumulated. (As stamp collectors, we always watched for the exotic stamps from countries like Israel, Japan, and South Africa.) On numerous occasions, friends and foreign students would come to his ham shack to talk DX with their families back home in South America, Africa and elsewhere. He was also active in the Durham FM Association and served as both president and a member of the Board of Directors.

Most of all, Dad looked forward to schedules with his brothers, Al (W3BJ) in the Philadelphia surburbs, and Ralph (W4NNE and also owner and operator of a commercial radio station, WWGS) in Tifton, GA, his brother-in-law, Bert (WB4EUP), and with us. One of us (Sid) got his license in 1959, while in the army and stationed at Fort Bliss. Daily schedules from his car on 10 and 15 meters using a Gonset G66 receiver and an Elmac AF67 transmitter kept the family in touch. The other of us (David) and his wife, Mary Dawn (then KA3ORL, who Dad called "Old Radio Lady"), were licensed much more recently, several years after moving to Pittsburgh, but we still got to enjoy a couple of years in this family "net" while Dad was still alive. When 2 meters became popular in the 1970s, our Mom also got the bug for ham radio and was licensed as WA4MJG (Momma's Junky Garage). Thus, in Dad's family, hams include two brothers, a brother-in-law, his wife, and his two sons and daughter-in-law. We have continued this tradition with daily schedules. On 40 meters (7.167 MHz) you are likely to hear Ralph, Bert, Sid and sometimes Dave catching up with the family news at 5:30. Then in the evenings at 9:30, you can usually hear the two of us brothers plus Phil, W4HUB, who is a family member in every way except bloodline.

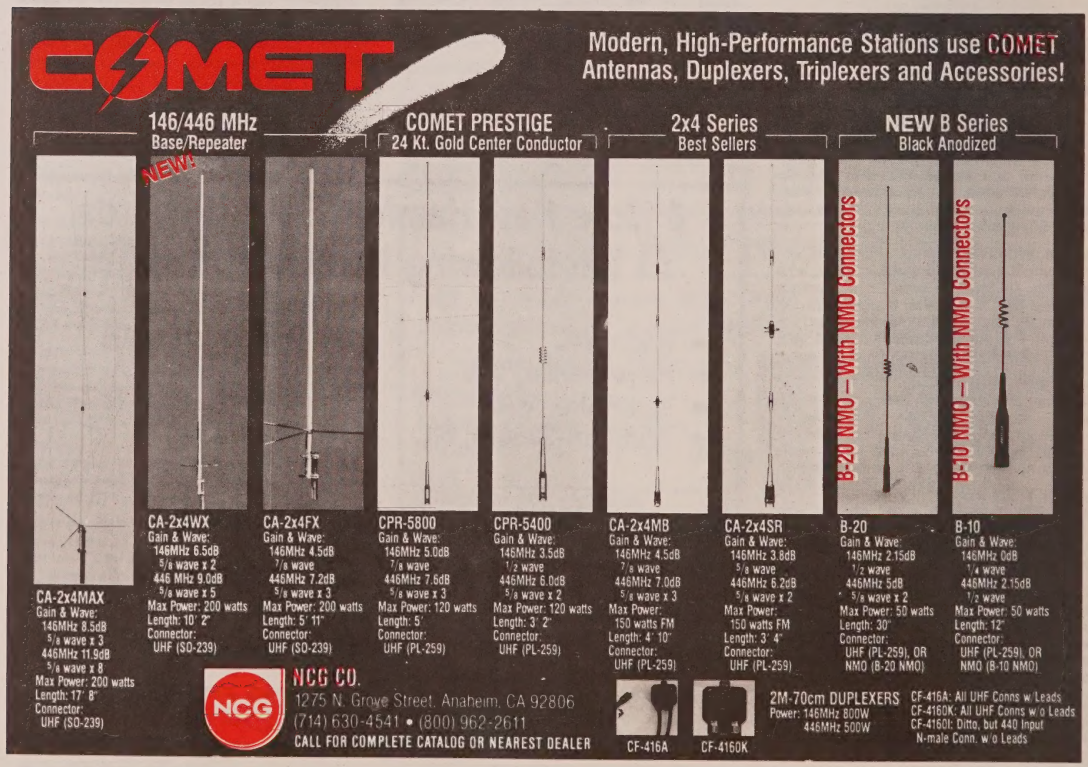
Besides ham radio, Dad's life had many dimensions, from his loving care and constant devotion to his family to his talents in watch and clockmaking, photography, electronics, metal and woodworking, among many others. He had a profound influence on all of our lives. We are very fortunate to have had him as our father.

Hamfest Name Change

The Shriners of the Kerbela ARS in Knoxville, Tn. will sponsor the KERBELA Hamfest, formerly called the Sevierville Hamfest on Feb. 6, 1993 at the Kerbela Shrine Temple in Knoxville. FCC Exams will also be given.

Show times are from 8:00 a.m. to 4:00 p.m. Flea Market, dealers, food. Talk-in is on 34-94. For information contact Paul Baird, KY4A (615) 986-9562.

To register for the Exas, contact Ray Adams, N4BAQ (615) 688-7771. Pre-registration also held at site until 9:30 a.m., with code tests at 10:00 a.m. and written tests at 11:00 a.m.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NEW!
B-20 NMO — With NMO Connectors
B-10 NMO — With NMO Connectors
CA-2x4MAX Gain & Wave: 146MHz 8.5dB 5/8 wave x 3 446MHz 11.9dB 5/8 wave x 8 Max Power: 200 watts Length: 17' 8" Connector: UHF (SO-239)
CA-2x4WX Gain & Wave: 146MHz 6.5dB 5/8 wave x 2 446 MHz 9.0dB 5/8 wave x 5 Max Power: 200 watts Length: 10' 2" Connector: UHF (SO-239)
CA-2x4FX Gain & Wave: 146MHz 4.5dB 7/8 wave 446MHz 7.2dB 5/8 wave x 3 Max Power: 200 watts Length: 5' 11" Connector: UHF (SO-239)
CPR-5800 Gain & Wave: 146MHz 5.0dB 7/8 wave 446MHz 7.6dB 5/8 wave x 3 Max Power: 120 watts Length: 5' Connector: UHF (PL-259)
CPR-5400 Gain & Wave: 146MHz 3.5dB 1/2 wave 446MHz 6.0dB 5/8 wave x 2 Max Power: 120 watts Length: 3' 2" Connector: UHF (PL-259)
CA-2x4MB Gain & Wave: 146MHz 4.5dB 7/8 wave 446MHz 7.0dB 5/8 wave x 3 Max Power: 150 watts FM Length: 4' 10" Connector: UHF (PL-259)
CA-2x4SR Gain & Wave: 146MHz 3.8dB 5/8 wave 446MHz 6.2dB 5/8 wave x 2 Max Power: 150 watts FM Length: 3' 4" Connector: UHF (PL-259)
B-20 Gain & Wave: 146MHz 2.15dB 1/2 wave 446MHz 5dB 5/8 wave x 2 Max Power: 50 watts Length: 30" Connector: UHF (PL-259), OR NMO (B-20 NMO)
B-10 Gain & Wave: 146MHz 0dB 1/4 wave 446MHz 2.15dB 1/2 wave Max Power: 50 watts Length: 12" Connector: UHF (PL-259), OR NMO (B-10 NMO)
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Spectrum Management

your ideas be known.

The number of Amateur Radio operators is growing, the number of requests for repeater frequencies is increasing, co-channel and adjacent channel complaints are increasing, and bickering among repeater groups complaining about the lack of a clear frequency is increasing.

Part 97 of the Rules and Regulations for the Amateur Radio Service states as part of its basis and purpose one of our basic principles is continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art. Spectrum management is an area looking for your contribution.

North To Alaska

Continued from Page 38

Mountain State where he arrived in Charleston on Aug. 13 with 12-thousand-plus miles on the odometer for the trip.

Those in the Charleston area with whom he kept in touch via Amateur radio were: the previously mentioned W8NR; plus Bill Hunter K8BS, Randy Coles WA8IWZ, Al Hix W8AH, Omar Mitchell W8NA, Taylor Marcum W8DMF, Dick Moore (Sam's son) WA8DGE, and Jason Moore (Sam's 16-year-old grandson) AA8HU.

He also had several mobile contacts with another Kanawha Valley resident, Dave Comstock W8HYX, who was himself mobile via the southern route returning from a trip to California.

The 78-year-old Moore made the trip alone. He said he met many hams along the way, including many Canadian couples where both were licensed hams. Often when he was operating, non-hams became intrigued and asked him what he was doing. That gave him an opening to explain Amateur radio. Sam said he was surprised at the number of women driving recreational vehicles or motor homes alone. He spent most nights at RV campsites where he had access to water and bathing facilities.

Back home on September 20, Sam had a QSO with Harold Hogburg, KL7JAW with whom he had many mobile contacts during the trip. They were unable to arrange an eyeball QSO. Once while in Anchorage when Sam wasn't having much success working mobile, a ham he had met invited him to his home station to give it a try. He was successful working the station of Simon Carraway NL7VR.

I doubt I will be in shape to undertake such an adventure when and if I reach Sam's age.

SERA Repeater Journal
Hamfest Calendar

Permission is granted for re-publication or any use of all or any part of this Calander as long as proper credit is given to the SERA **Repeater Journal**. The Journal assumes no responsibility to the accuracy of listings, other than to correctly republish, upon notification in writing.

NOVEMBER 1992

8 ..... Hamfest, CONCORD, NC
14 ..... Twin City Hams Hamfest, W. MONROE, LA
14 ..... TVARN Hamfest, COOKVILLE, TN
14 ..... 15th Annual Montgomery ARC Hamfest, MONTGOMERY, AL
14-15 ..... Hamfest, FT. WAYNE, IN
15 ..... 4th Annual JARSFEST, BENSON, NC
21-22 ..... Fl. State ARRL Conv/Suncoast Conv. '92 TAMPA, FL
28-29 ..... Hamfest, GREENSBORO, NC

DECEMBER, 1992

5 ..... Hamfest, OKEECHOBEE, FL
5-6 ..... Wireless ARC Hamfest, DOTHAN, AL
6 ..... HolidayFest '92, LARGO, MD

JANUARY 1993

9 ..... Lakeway ARC Hamfest, MORRISTOWN, TN
16 ..... Hamfest, FT MYERS, FL
17 ..... Frostfest, RICHMOND, VA
23 ..... 1st Annual Gastonia Area ARC Hamfest, GASTONIA, NC
23 ..... Hamfest, INVERNESS, FL
23-24 ..... TVARN Hamfest, GALLATIN, TN
24 ..... Hamfest, PINELLAS PARK, FL

FEBRUARY 1993

6 ..... Kerbella Hamfest (formerly Sevierville Hamfest) KNOXVILLE, TN
6-7 ..... Tropical Hamboree, MIAMI, FL
6-7* ..... Capitol City Hamfest, JACKSON, MS
13 ..... Hamfest, PENSACOLA, FL
14 ..... Hamfest, ELKIN, NC
19-20 (Fri-Sat) ..... 14th Annual Hamfest & Computer Show, SARASOTA, FL
20 ..... Charleston ARS Hamfest, CHARLESTON, SC
20 ..... Hamfest, STUART, FL
20-21* ..... Hamfest, CINCINNATI, OH
21 ..... 15th Annual Hamfest, FAYETTEVILLE, WV
27 ..... Hernando Cty. ARAs 11th Annual Hamfest, BROOKSVILLE, FL
27 ..... Hamfest, DALTON, GA
27* ..... CCARS, Winter Hamfest, CAMP HILL, PA
28 ..... Vienna Wireless Soc. Winterfest, VIENNA, VA

MARCH 1993

6* ..... 6th Annual Springfest (Ham & Computer Show), YORK, PA
6* ..... Mammoth Cave ARC Hamfest, CAVE CITY, KY
12-14 ..... Hamcation, ORLANDO, FL
13-14 ..... Hamfest/Computer Show, CHARLOTTE, NC
20 ..... Kennehoochee ARC, MARIETTA, GA
20-21* ..... Hamfest, LAFAYETTE, LA
20-21 ..... Swapfest, FT. WALTON BEACH, FL
27-28 ..... Hamfest, COLUMBUS, GA
27-28* ..... 22nd Baltimore Hamboree/Computerfest, at Fairgrnds., TIMONIUM, MD
28 ..... 3rd Annual "Downeast Hamfest", KINSTON, NC

APRIL 1993

3 ..... 8th Annual CARS Chesapeake "Springfest 93", VIRGINIA BEACH, VA
3 ..... Central Georgia Nat'l Hamfest (Warner Robins), PERRY, GA
3 ..... Hamfest, ALBERTVILLE, AL
3-4* ..... Hamfest, LITTLE ROCK, AR
4 ..... NC State ARRL Conv/RARS Hamfest, RALEIGH, NC
4* ..... Hamfest/Computer Show, CHARLESTON, WV
10 ..... Hamfest, OAK RIDGE, TN
10-11* ..... Old Natchez ARC, Hamfest, NATCHEZ, MS
11* ..... Hamfest, CLARKSVILLE, TN
11* ..... Penn-Del ARC Hamfest, NEW CASTLE, DE
17 ..... Hamfest, GAINSVILLE, FL
18* ..... Carroll Cty. Computerfest & Hamboree, WESTMINSTER, MD
24 ..... Hamfest, TALLEDEGA, AL
23-24-25 ..... 42nd Hamvention, (Hara Conf. & Exhib. Cen.), DAYTON, OH

MAY 1993

1-2 ..... 54th Hamfest At Anderson Cty Fairgrnds,GREENVILLE, SC
1-2* ..... Hamfest, BATON ROUGE, LA
8* ..... Jackson Cty Hamfest, RIPLEY, WV
9 ..... Hamfest, MEDINA, OH
15 ..... 32nd RVARC Hamfest - Mayfest '93, ROANOKE, VA
14-16* ..... Rochester Hamfest, ROCHESTER, NY
15-16 ..... ARRL State Conv./Hamfest, BIRMINGHAM, AL
15-16 ..... Andrsn, Hrtwl, Toccoa RC Hamfest, LAKE HARTWELL, GA
16 ..... TSRAC Hamfest, Computer Fair, WHEELING, WV
22* ..... 19th Annual Dur-Ham-Fest, DURHAM, NC
23* ..... MD. FM Assn. Hamfest, (Howard Cty Fairgrnds), W. FRIENDSHIP, MD

JUNE 1993

5* ..... Clev. ARC Starfest, CLEVELAND, TN
5 ..... Amateur Radio & Computer Fair, KNOXVILLE, TN
5 ..... Athens RC Annual Hamfest, ATHENS, GA
6* ..... Hamfest, HUMBOLT, TN
6 ..... Ole Virginia Hams - Hamfest, MANASSAS, VA
6* ..... Hamfest, MUNCIE, OH
12* ..... Hamfest, WINSTON-SALEM, NC
13* ..... Northern Ky. ARC Hamfest, ERLANGER, KY
19* ..... Hamfest & Computer Fair, BLUEFIELD, WV
19-20 ..... Albany ARC Hamfest, ALBANY, GA
20* ..... Hamfest, FREDERICK, MD

JULY 1993

3-4 ..... West Va.State ARRL Conv/Hamfest, JACKSONS MILL, WV
10* ..... TARC, Charleston II Summer HF & Computer Expo, CHARLESTON, SC
10 ..... NC Chapter TSRAC "Firecracker" Hamfest, SALISBURY, NC
11* ..... Summit ARAs Carrol Cty. Hamfest/Computer Show, WESTMINSTER, MD
17 ..... Mid-Summer Swapfest, CARY, NC
17-18 ..... SE ARRL Div. Conv/Hamfestival, ATLANTA, GA
24-25 ..... WCARS Asheville Hamfest, Haywood Cty. Fairgrnds, ASHEVILLE, NC
25* ..... BRATS Hamfest and Computer Fest, TIMONIUM, MD
31* ..... Hamfest, COLUMBUS, OH

Hamfest Calendar Continued on Page 55

The SERA Hamfest Calendar

The Repeater Journal ends its 21st year of publishing with the largest most up-to-date Hamfest calendar in its history. With over 140 listings from the Southeast, the Repeater Journal hamfest calendar is the "Bible" for dozens of dealers, flea market operators and clubs to plan, get ready and attend Southeast Hamfests

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It's Very Simple We Lost The Pictures

-by Wayne C., Williams, Editor

I don't really know what to say, except I am terribly sorry. We lost a large package of pictures that had been sent in for this issue of the Repeater Journal. This is the first time this has ever happened.

We take photographs which are submitted to the Journal to my workplace which has the facilities to place proper screens on them and size them for inserting on a page.

I placed 10 or 12 in an envelope Sunday evening, picked them up Monday morning and headed to work. At work, I placed the envelope on my desk. I got back in my office that afternoon, and was attempting to clean up some of the weekend stuff, including a stack of newspapers. I carried them to the recycle bin.

It wasn't until Tuesday afternoon, which I got a break that I went looking for the 9 x 12 manila envelope containing the pictures. It was no where to be found. I searched everywhere, then remembering back, I guess they had somehow gotten sandwiched between the stack of newspapers I had put in the recycle bin.

I ran downstairs to the maintenance office and told of my situation. They got people searching that afternoon, night, and the next day, but no luck!

The pictures are gone forever. Somewhere in the midst of some newspapers, and other paper trash in one of 200 bales of paper.

To Ted Wolfe, WD4KHL our West Virginia corrtespondant, Gene Fegely, K3EJG, our N.C. correspondant, to Stoney Owen, WB4PZA, and most especially Sid Edwards, W4QWM and anyone else we might have missed, who had sent in pictures, we are truly sorry.

We tried, many people looked for hours and hours, tons of paper were gone through, but the task was overwhelming, and no one found anything.

Please forgive me!

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Hamfest Calendar Continues

AUGUST 1993

1	43rd Annual Winchester Hamfest, BERRYVILLE, VA
7*	Tri-State ARA Hamfest/Computer Show, HUNTINGTON, WV
7-8*	20th Hamfest, JACKSONVILLE, FL
7-8*	5th Annual High Point RC Hamfest, HIGH POINT, NC
8*	Mid-Ohio Valley ARC Hamfest, PARKERSBURG, WV
8*	ARRL Central Hamfest, FRANKFORT, KY
13-15	ARRL Nat'l Convention, Hamfest, HUNTSVILLE, AL
14-15*	ARK-LA-TEX Hamfest, SHREVEPORT, LA
21*	Hamfest, SPRUCE PINE, NC
21-22*	Hamfest, MADISON, GA
21-22*	Hamfest, MOBILE, AL
22*	GCARA Hamfest, CINCINNATI, OH
22	St. Charles ARC Hamfest '93', ST. CHARLES, MO
29*	Short Mt. Rep Club Hamfest, CEDARS OF LEBANON, TN

SEPTEMBER 1993

4-5	36th Annual Hamfest, SHELBY, NC
11*	Statesboro ARS Hamfest, STATESBORO, GA
11-12*	Hamfest, MELBOURNE, FL
12*	Foundation AR Hamfest, GAITHERSBURG, MD
12*	Lanierland ARC Hamfest, GAINSVILLE, GA
18-19*	Hamfest & Computer Show, MOBILE, AL
25*	Danville/South Boston 2nd Annual Hamfest, DANVILLE, VA
25*	Hamfest, ANNISTON, AL
25*	TARA, Hamfest, HUNTINGTON, WV
25-26	Hamfest, LOUISVILLE, KY
26*	Hamfest, CLEVELAND, OH

OCTOBER 1993

2*	Lanierland ARC Hamfest, GAINESVILLE, GA
2*	Hamfest, ROME, GA
2	Sumner Cty ARA Hamfest, GALLATIN, TN
2-3*	Miss. Coast ARA 17th Annual Ham/Swapfest, BILOXI, MS
3*	42nd Annual Hamfest & Computer Fair, ROCK HILL, SC
9*	40th Annual Hamfest/Computer Show, AUGUSTA, GA
9-10 (note new date)	Hamfest/Computer Show, VIRGINIA BEACH, VA
9-10*	"Memfest '93" Hamfest, MEMPHIS, TN
9-10*	13th Ham Com-Vention, HOUSTON, TX
10*	Hamfest, MAYSVILLE, NC
10	17th Annual CARA Hamfest, HOWARD CTY, MD
16*	Hamfest, TUSCALOOSA, AL
16*	Tri-Cities Hamfest, GRAY, TN
17*	Hamfest, SANFORD, NC
23*	Hamfest, SUMTER, SC
23-24	Hamfest, CHATTANOOGA, TN
23-24*	Palm Beach RA Hamfest, W. PALM BEACH, FL
24*	Mason-Dixon Hamfest, WESTMINSTER, MD
30*	Swapfest '93, FOREST CITY/RUTHERFORDTON, NC

NOVEMBER 1993

6-7*	Ham Radio/Comp. Expo '93, LAWRENCEVILLE, GA
6-7*	Hamfest, FT. LAUDERDALE, FL
7*	Hamfest, CONCORD, NC
13*	TVARN Hamfest, COOKVILLE, TN
13	Twin City Hams Hamfest, WEST MONROE, LA
13-14	Indiana State ARRL Conv, Hamfest, FT. WAYNE, IN
14*	5th Annual JARSFEST, BENSON, NC
14	16th Annual Hamfest, MONTGOMERY, AL
20-21*	Suncoast Conv. '93 TAMPA, FL
27-28*	Hamfest, GREENSBORO, NC

DECEMBER, 1993

4-5*	Wiregrass ARC Hamfest, DOTHAN, AL
5*	HolidayFest '93, LARGO, MD

CONFIRMED 1994 DATES

Apr. 29, 30, May 1	43rd Dayton Hamvention, DAYTON, OH
June 10-12	ARRL National Convention, DALLAS, TX
Oct. 1	Sumner Cty ARA Hamfest, GALLATIN, TN

CONFIRMED 1995 DATES

April 28-30	44th Dayton Hamvention, DAYTON, OH

Please note: The ***Repeater Journal*** maintains Southeastern show dates on our Database. Unconfirmed shows are published quarterly from February and each issue until the quarter before the show date-then deleted. If the show is confirmed, we will publish each quarterly issue up to and including show date, free of charge. Hamfest dates marked with an asterisk(*) are NOT confirmed and are based on information on record from the previous year's date, with no guarantee of accuracy. Hamfest sponsors are urged to get their correct show dates to the ***Repeater Journal*** Editor as soon as possible, to take full advantage of being accurately listed in more ***Repeater Journal*** issues. We acknowledge assistance in confirming dates from AUTO-CALL, TSRAC-BNT, ***John Kanode***, Roa. Div. Dir., ***Frank Butler***, SE Div. Dir., (ARRL) and the response of many clubs sponsoring hamfests this year.

WHERE TO BUY DIRECTORY

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Cap 'N' Badge Man (SC) 50
Certified Communications (SC) 56
Charleston Hamfest (SC) 49
Charlotte Hamfest (NC) 44-45
Computer Automation Technology (FL) 40
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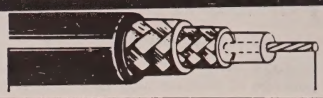

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X-500HNA

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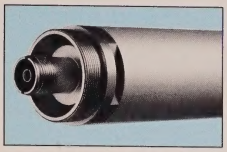
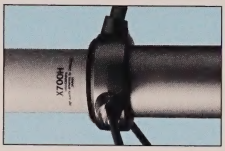
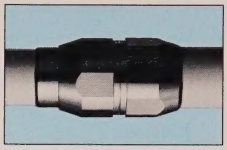


COAX CONNECTION AT BASE END



HEAVY DUTY BASE/ RADIAL ASSEMBLY



STRONG JOINT COUPLINGS

X series

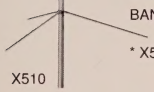
MODEL	BAND(MHz)	GAIN(dBd.)	WATTS	CONN.	HT. Ft.	RATED WIND/ MPH
X-50A	144/440	4.5/7.2	200	UHF	5.6	135
X-200A	144/440	6.0/8.0	200	UHF	8.3	112
X-300A	144/440	6.5/9.0	200	UHF	10.2	112
X-510NA	144/440	8.3/11.7	200	N	17.2	90
X-510MA	144/440	8.3/11.7	200	UHF	17.0	90
X-500HNA	144/440	8.3/11.7	200	N	17.8	90+
X-700HA	144/440	9.3/13.0	200	UHF	24.0	90
X-2200A	144/222	6.0/7.8	150	UHF	11.5	112
X-3200A	144/222/440	6.0/7.8/8:0	100/200	N	10.5	112
X-6000A	144/440/1240	6.5/9.0/10.0	100/100/60	N	10.5	112

147MHz

445MHz

RADIATION PATTERNS FOR X-500HNA/X-500MA/X-510NA

BAND: 144=144 - 148MHz. 222=222 - 225MHz. 420=420 - 430MHz.
430=430 - 440MHz. 440=440 - 450MHz. 1240=1240 - 1300MHz.
* X510NJ :144 - 147 / 430 -440MHz



X510

GH/F/U&V series

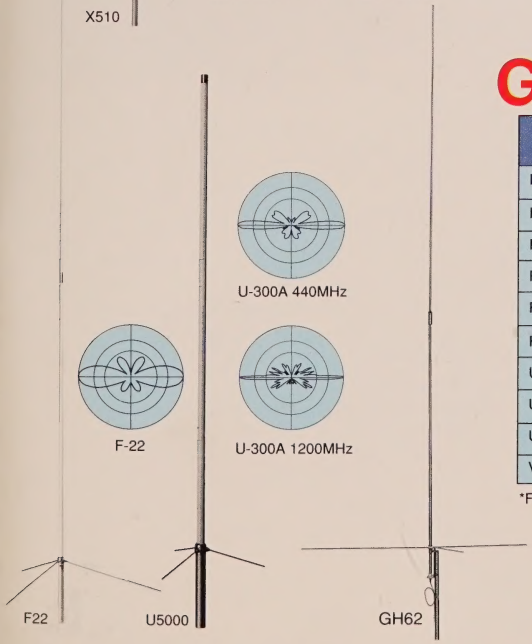
MODEL	BAND(MHz)	GAIN(dBd.)	WATTS	CON N.	HT. Ft.	RATED WIND/ MPH
DP-GH62	50	6.0	200	UHF	21.0	78
F-22A	144	6.7	200	UHF	10.5	112
F-23A	144	7.8	200	UHF	15.0	90
F-142A	222	5.5	200	UHF	6.0	110
F-718A*	440	11.5	250	N	15.0	110
F-1230A	1240	13.5	100	N	10.5	90
U-200A	440/1240	8.3/11.7	100	N	5.9	135
U-300A	440/1240	8.6/13.2	100	N	8.3	110
U-5000A	144/440/1240	4.5/8.3/11.7	100	N	5.9	135
V-2000A	50/144/440	2.1/6.2/8.4	150	UHF	8.3	110

*F-718A:440 - 450MHz, F-718J:430 - 440MHz, F-718L:420 - 430MHz

U-300A 440MHz

F-22

U-300A 1200MHz



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